PENN STATE COLLECTION

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INTERCOM

Volume 5

None missing but due to numbering errors,

#23
#35
#51

were not published.

PENN STATE intercom

Volume 5, Number 1 September 4, 1975

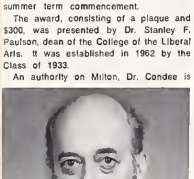
An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Dr. Condee given Class of 1933 humanities award

Dr. Ralph W. Condee, professor of English literature and humanities, received the Class of 1933 Award for Outstanding Contributions in the Field of Humanities at summer term commencement.

The award, consisting of a plaque and $300, was presented by Dr. Stanley F. Paulson, dean of the College of the Liberal Arts. It was established in 1962 by the Class of 1933.

An authority on Milton, Dr. Condee is



Dr. Condee

the author of the recently published book, "Structure in Milton's Poetry." He joined the faculty of the University in 1949, after obtaining his Ph.D. in English from the University of Illinois.

Illinois also awarded him a baccalaureate degree in classics, and he has an M.A. in English from the University of Chicago. He is a native of Chicago.

At Penn State, Dr. Condee served as associate director of the Center for Continuing Liberal Education from 1958 to 1963. He is currently director of the Honors Program in the Department of English, a member of the board of directors of the Faculty Club and director of the Shakespearean Film Project.

During 1969 and 1970, Dr. Condee was a senior research fellow at Glasgow University.

Dr. Condee edited the volume, "Great Modern Short Stories," and was the co-author of three other books, "The Case for Poetry," "Modern Fiction" and "Exploring Religious Ideas."

He has contributed to Encyclopedia Britannica and has published articles in numerous journals. These include Shakespeare Quarterly, The Reporter, The Christian Scholar, Philological Quarterly, Studies in Philology, The Journal of English and Garmanic Philology, The Journal of General Education, The Wilson Bulletin and The Yale Review.

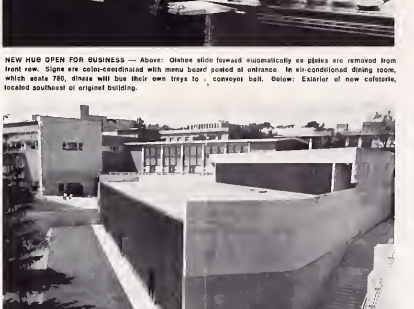
Library instruction may be arranged

In addition to providing tours of Pattee for undergraduate and graduate students, library staff will assist faculty members by arranging for basic instruction in library use for their classes. Arrangements may be made by calling Marietta Plank at 863-0323.

Reference department librarians will provide library instruction to upper-division and graduate classes. Contact Jack Pontius at 865-6368 for this service.



NEW HUE OPEN FOR BUSINESS — Above: Dishes slide forward automatically as plates are removed from front row. Signs are color-coordinated with menu board posted at entrance. In air-conditioned dining room, which seats 780, diners will bus their own trays to conveyor belt. Below: Exterior of new cafeteria, located southeast of original building.



Drivers have obligation to testify

An important reminder is given to all drivers of University vehicles by the University's Insurance Office.

If an accident occurs, the driver is responsible for submitting a report to the University Insurance Office (307 Shields Building, University Park) on the vehicle accident report form to be found in all University vehicles, usually in the glove compartment. This enables the Insurance Office than to file the required report of the accident with its insurance company.

If the University driver is at fault in the accident the insurance company pays the damages to the "other party". At the same time the University pays for its own damages to its car from its self-insured collision fund, charging the first $100 (deductible) to the University department that requested the car.

In an accident where the "other party" is at fault, a claim for the University's damages is made against such party. In many cases where the liability is clearly established (the "other party" is clearly at fault) the University recovers its loss (its claim is paid) by the "other party" or by such party's insurance company and the case is closed. In many other cases, however, the University must enforce its claim by resort to legal action. When this happens and the case comes to trial it is imperative that the University driver in company with the University's attorney be present; otherwise there is little or no chance of recovery for the University's automobile damages. When the University sues, the University's driver (and also, of course, any other witnesses) must be present in court to testify to the facts of the case.

To conclude and reiterate for emphasis, all University drivers necessarily assume the obligation of being ready, with reasonable notice, to testify on behalf of the University in the event of any accident in which a driver is involved.

11,500 freshmen are reporting throughout system

A freshman class of 11,500 students is reporting this week to the various campuses of the University for orientation and registration.

Among the freshman are 3,250 at University Park and 8,200 at the Commonwealth Campuses and Behrend College. The 8,200 include 6,350 enrolling for four-year programs and 1,900 enrolling for the two-year associate degree programs.

The 11,500 freshmen admitted for the Fall Term are in addition to 958 who began their college work at the opening of the Summer Term in June.

New students reporting at University Park, in addition to 3,250 freshmen, are expected to include 330 admitted with advanced standing, transferring from other colleges and universities; 600 former students re-admitted; and 3,460 students transferring from other campuses of the University. Approximately 430 students with advanced standing will be enrolling at Commonwealth Campuses and Behrend, and 390 former students have been re-admitted at these locations.

For the Fall Term, University officials expect an enrollment of about 52,400 resident instruction students at all locations, with 31,600 of them at University Park, according to Provost Russell E. Larson. Total enrollment is expected to increase approximately 1,350, with the increase at University Park expected to total about 425.

Guidelines set to assist students with problems

To assist students with classroom problems, exclusive of grades and grading, new guidelines have been adopted by the University as of Sept. 1.

The complete text of the guidelines will be published in INTERCOM later this month.

The guidelines were developed in accordance with a May 15 recommendation of the University Council, which spent several months studying the matter and apply at all campuses of the University.

The guidelines advise the student that problems often can be resolved by discussion with the faculty member directly concerned, the department head or the student's advisor.

If these avenues are considered inappropriate, the student is advised to seek recourse through the office of the appropriate associate or assistant dean of the College or Division in which the student is enrolled.

The student is assured that confidentiality will be maintained as appropriate.

The guidelines address various classroom situations, including the failure of a faculty member or administrator to uphold such University policies as the prohibition of smoking in classrooms or the prohibition on scheduling of comprehensive examinations on the last class period and early compilation of terms.

Other situations covered might include failure of a faculty member to fulfill his or her instructional obligations by unjustified cancellation of classes, frequent absenteeism or late arrival, failure to keep designated office hours and inappropriate substitution of teaching assistants.

PENN STATE COLLECTION

Fall Term 1975 Calendar
University Park Campus
The Pennsylvania State University

Thursday, September 4
Orientation and advising.
Registration.
College of Human Development Nutrition Program, Dr. Karl Y. Guggenheim, Hebrew University, on "Body Image of Adolescents and the Problem of Juvenile Obesity," 4 p.m., Room 204 Human Development.
Tours of Pattee Library at 9, 10, 11 a.m. and, 2, 3, 4 p.m., lobby of Pattee.
Open House, Pollock South Undergraduate Library, 7 p.m.
"Music of Black America," presented by Pearl William Jones, singer, pianist, concert artist, 8 p.m., Schwab.
Sports: Soccer, vs. Birmingham, 7 p.m., Jeffrey Field.
Graduate student tours of Pattee Library at 10 and 11 a.m., 1 and 3 p.m., E105 Pattee Library.

Friday, September 5
Orientation and Advising.
Registration.
College of Human Development Nutrition Program, Dr. Karl Y. Guggenheim, Hebrew University, on "Nutritional Health In a Changing Society — Studies from Isreel," 4 p.m., Room 204 Human Development.
Tours of Pattee Library at 9, 10, 11 a.m. and 2, 3, 4 p.m., lobby of Pattee.
Introduction to special programs for black students, 6:30 p.m., Cultural Center, Walnut Bldg.
Sports: Soccer, Pre-Season Tournement, 7 p.m., Jeffrey Field.
Graduate student tours of Pattee Library at 10 and 11 a.m., 1 and 3 p.m., E105 Pattee Library.

Saturday, September 6
Registration, until noon.
Hetzel Union Board Jammy, 8 p.m., HUB ballroom.
PSOC Hiking Club, annual Mt. Nittany climb with tube steak supper, meet 1:30 p.m., HUB lawn.
Graduate Student Association social, 8 p.m., Room 102 Kern.

Sunday, September 7
Free U will provide free movies and cartoons, 9-11 p.m., Old Main Lawn.
PSOC Hiking Club, circuit hike on Mid-State Trail System, 9 a.m.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Elder Gerald G. Loyd, Pastor, Black Christian Fellowship.

WEEK OF SEPTEMBER 8

Monday, September 8
Classes begin 8 a.m.
Drop-Add sub-station 1-4 p.m., HUB.
Tours of Pattee Library at 9, 10, 11 a.m. and 2, 3, 4 p.m., lobby of Pattee.
Open House, Main Undergraduate Library, W106 Pattee.
Colloquy program, 8 p.m., University Auditorium, Euell Gibbons, edible wild plants expert.
Graduate student tours of Pattee Library at 9:35 and 11:10 a.m., 1 and 2:20 p.m., E105 Pattee Library

Tuesday, September 9
Drop-Adds sub-station 1-4 p.m., HUB.
Tours of Pattee Library at 9, 10, 11 a.m. and 2, 3, 4 p.m., and at 7 p.m., lobby of Pattee.
Graduate student tours of Pattee Library at 9:35 and 11:10 a.m., 1, 2:20 and 7 p.m., E105 Pattee Library.

Wednesday, September 10
Claremont Woodwind Quintet, 8:30 p.m., Music Bldg. recital hall.
Organizational meeting of the Penn State Forensic Team, 7 p.m., Room 13 Sparks.
Free U fall orientation, 7:30 p.m., Findlay Rec Room.
Drop-Adds sub-station 1-4 p.m., HUB.
Tour of Pattee Library, 7 p.m., lobby.
Claretnet Woodwind Quintet, general orientation and recruitment, 7 p.m., HUB reading room.
Noontime Concert, 12 noon, lobby of Kern.
Graduate student tours of Pattee Library at 9:35 and 11:10 a.m., 1 and 2:20 p.m., E105 Pattee Library.

Thursday, September 11
Free U meeting for new course initiators, an introduction to teaching with Free U, 7 p.m., HUB lounge upstairs.
Drop-Adds sub-station 1-4 p.m., HUB.
East Undergraduate Library Open House, 7 p.m., basement of Findlay.
Commons Videotape Showing, 12 noon, lobby of Kern.
Graduate student tours of Pattee Library at 9:35 and 11:10 a.m., 1 and 2:20 p.m., E105 Pattee Library.

Friday, September 12
Drop-Adds sub-station 1-4 p.m., HUB.
G.S.A.'s Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Sports: Soccer, vs. Lock Haven State, 7 p.m., Jeffrey Field.

Exhibits

MUSEUM OF ART:
Through Sept. 7: Five Pennsylvania Painters.
Through Sept. 10: Bellelante Courthouse: The Evolution of a Print by Linda Plotkin.
Through Oct. 31: Panel Paintings from the Samuel H. Kress Memorial Collection of the Allentown Art Museum.
Oct. 26-Nov. 30: 200 Years of Royal Copenhagen Porcelain.
Nov. 2-Dec. 21: Recent Works by John Cook.
Nov. 9-Dec. 21: Architectural and Ornamental Drawings: Juvarra, Vanvitelli, the Bibiena Family, and Other Italian Draughtsmen.
(Note: Free public tours at current exhibits Thursdays at 1:30 p.m. Museum gallery and store hours are noon to 5 p.m. Closed Mondays).

SACKETT GALLERY: Systems, work by first year architecture students, through Sept. 15.

HUB GALLERY: New York City Post Card Show, Sept. 8-26. Homecoming Exhibit (old photographs from Pattee, Rec Hall, and La Vie), Sept. 29-Oct. 24. U.N. Exhibit, Oct. 24-Nov. 14.

HAMMOND GALLERY: Laurel Howard and Susan Voytovich, graduate students in art, Sept. 15-26. Kathy Curnow, graduate student in art, Sept. 27-Oct. 4.

KERN GALLERY: Jim Scaltz, ceramics, through Sept. 30. Luce Vantar, watercolors, Sept. 15-Oct. 4. Jackie Battenfield, weavings, Oct. 3-16. Renescence Gallery, Oct. 19-Nov. 8.

CULTURAL CENTER, WALNUT BUILDING: An exhibit of mixed media from "Natural Feelings," a group of Washington, D.C. artists, Sept. 2-27. An exhibit of mixed media, the work of the New York Chapter of the National Conference of Artists, Oct. 1-31. An exhibit of mixed media, the work of the Pittsburgh Chapter of the National Conference of Artists, Nov. 3-28.

PATTEE LIBRARY:
Main Lobby
Sept. 2-Sept. 29 — Orientation to Pattee Library presented by U.G.L.
Sept. 30-Oct. 26 — Copper Sculpture by Curtis Clawson.
Oct. 29-Nov. 24 — Exhibit of Crafts.
Nov. 25-Jan. 5 — Gem Cutting Exhibit by Dr. Dean Smith.

Circulation Lobby
Aug. 7-Sept. 7 — Art Education Graduate Students Graphics.
Sept. 8-Oct. 5 — Architectural Exhibit by Dr. Strumillo.
Oct. 7-Nov. 3 — Prints by Mary Hamilton.
Nov. 4-Dec. 1 — Drawings by Denise Faleski.
Dec. 2-Jan. 7 — The Christmas Tree Exhibit. Prints from the Rare Books Collection.

East Corridor Lobby
Aug. 15-Sept. 15 — Cartoonies. Drawings by Harry Miller.
Sept. 16-Oct. 13 — Birds-Eye Views: 19th Century Etchings of Pennsylvania Towns.
Nov. 11-Dec. 8 — Batik Paintings by Sharon Sell.
Dec. 9-Jan. 12 — Drawings and Photographs by Maureen and Gary Neill.

Saturday, September 13
Sports: Football, vs. Stanford, 1:30 p.m.

Sunday, September 14
Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Charles L. Coleman, Program Director, Religious Attairs.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Elder John Loyd, Pastor, Fellowship Temple Church, Bridgeport, Conn.

WEEK OF SEPTEMBER 15

Monday, September 15
Drop-Add sub-station 1-4 p.m., HUB.
Faculty orientation tours of Pattee Library at 9.30 a.m. and 2.15 p.m., E105 Pattee Library.

Tuesday, September 16
College of Liberal Arts faculty meeting, 3:45 p.m., Room 121 Sparks
Drop-Add sub-station 1-4 p.m.; HUB.
Seminar on locating books in Pattee Library, 7 p.m., W110 Pattee Undergraduate Library.
Faculty orientation tours of Pattee Library at 9:30 a.m. and 2.15 p.m., E105 Pattee Library.

Wednesday, September 17
Leonard Feldman, cello recital, 8:30 p.m., Music Bldg. recital hall.
Add Deadline, Drop-Add sub-station 1-4 p.m., HUB.
Artists Series, Four Decades of American Film Festival, "Birth of a Nation," 8:30 p.m., University Auditorium.
Graduate Council meeting, 2:30 p.m., Room 101 Kern.
Noontime Concert, 12 noon, lobby of Kern.
Faculty orientation tours of Pattee Library at 9:30 a.m. and 2:15 p.m., E105 Pattee Library.

Thursday, September 18
Seminar on locating periodicals in Pattee, 7 p.m., W110 Pattee Undergraduate Library
Videotape Showing, 12 noon, lobby of Kern.
Faculty orientation tours of Pattee Library at 9:30 a.m. and 2:15 p.m., E105 Pattee Library.

Friday, September 19
G.S.A.'s Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Sports: Soccer, vs. Trenton State, 7 p.m., Jeffrey Field.
Artists Series, "1776," musical, 8.30 p.m., University Auditorium.
Sociology Lecture Series, Dr. Andrew Levinson on "Liberal Capitalization Under Stress, a Labor Perspective," 3 p.m., Room 112 Kern.

Saturday, September 20
Sports. Golf, Lady Lion Fall Invitational.
Campus Crusade for Christ, Square Dance, 6:30 p.m., HUB ballroom.
PSOC Hiking Club, backpack on Susquehannock Trail.
Artists Series, "1776," musical, 8:30 p.m., University Auditorium.

Sunday, September 21
Free U registration, 1-8 p.m., HUB ballroom.
Sports: Golf, Lady Lion Fall Invitational.
PSOC Hiking Club, backpack on Susquehannock Trail.
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Rustum Roy, Director, Materials Research Lab.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Elder Gerald G. Loyd, Pastor, Black Christian Fellowship.

WEEK OF SEPTEMBER 22

Monday, September 22
Panhel Book Sale, 8 a.m.-5 p.m., HUB ballroom.
Free U course initiators meeting, 7:30 p.m., HUB terrace (in case of rain, HUB reading room).

Tuesday, September 23
Free U classes begin.
College of Agriculture faculty meeting, 4 p.m., Rooms 301 A and B, Ag. Administration.
Panhel Book Sale, 8 a.m.-5 p.m., HUB ballroom.
Sports: Soccer, vs. Scranton, 7 p.m., Jeffrey Field.
Artists Series, Fellini Film Festival, "Variety Lights," 8:30 p.m., University Auditorium.
G.S.A. Council meeting, 7 p.m., Room 101 Kern.

Wednesday, September 24
Thalia Trio, 8:30 p.m., Music Bldg. recital hall.
Panhel Book Sale, 8 a.m.-5 p.m., HUB ballroom.
Noontime Concert, 12:15 p.m., lobby of Kern.

Seminars

Air Pollution Control, Tuesdays, 2:20 p.m., Room 140 Althouse.
Genetics, Mondays, 3:55 p.m., Room 111 Tyson.
Biochemistry, Mondays and Tuesdays, 11:10 a.m., Room 101 Althouse.
Engineering Science and Mechanics, Tuesdays, 4 p.m., Room 215 Hammond.
Plant Pathology, Tuesdays, 9:35 a.m. and 11;10 a.m., Room 213 Buckhout.
Solid State, Tuesdays, 1 p.m., Room 339 Davey.
Ceramic Science, Wednesdays, 11.10 a.m., Room 302 Mineral Industries.
Physics, Thursdays, 3:50 p.m., Room 117 Osmond.
Chemistry, Thursdays, 12:45 p.m., Room 333 Whitmore.
Agronomy, Thursdays, 8:15 a.m., Room 301 Ag. Administration.
Meteorology, Thursdays, 4 p.m., Room 541 Deike.
Statistics, Thursdays, 4 p.m., Room 69 Willard.



On the Artists Series, Sept. 19-20, is the hit musical, «1776,» in which Dan Pecken (left) as John Adams of Massachusetts, and Sam Kressen, as Benjamin Franklin, add their touch in the design of the Declaration of Independence. The two performances will be in University Auditorium.

Thursday, September 25
File for Pass-Fail.
Commons Videotape Showing, 12 noon, lobby of Kern.
Faculty Women's Club tall reception, 7 p.m., Room 101 Kern.

Friday, September 26
Folk and Square Dance Roundup, 7.30 p.m., White Bldg.
English Department Fall Commonwealth Campus Conference.
File for Pass-Fail.
G.S.A.'s Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, September 27
English Department Fall Commonwealth Campus Conference.
Sports: Cross Country, Lady Lion Fall Invitational, 12 p.m. Women's Golf, vs. Cortland, 9 a.m.
Artists Series, Leontyne Price, soprano, 8:30 p.m., University Auditorium.
Uncommon Dinner Theatre, 6:30 p.m., Rooms 102 and 112 Kern.

Sunday, September 28
Daniel Kazez, cello recital, 3:30 p.m., Music Bldg. recital hall.
English Department Annual Fall Term Tea, 3-6 p.m., Fireside Room, Nittany Lion Inn.
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Paul Rigby, Director, Center for Research.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Rev. George Bailey, Pastor, Baptist Church, Altoona.
Uncommon Dinner Theatre, 6:30 p.m., Rooms 102 and 112 Kern.

WEEK OF SEPTEMBER 29

Monday, September 29
Karen Scott, soprano recital, 8:30 p.m., Music Bldg. recital hall.
Drop Deadline.
File for Pass-Fail.
Course Repeat Deadline.
Preregistration Deadline.
France Cinema, "Shoot the Piano Player," 7 and 9 p.m., Room 112 Kern.

Tuesday, September 30
Food Symposium "Food and Our Future," 9 a.m.-9 p.m., Room 112 Kern.
Sports: Soccer, vs. West Chester, 7 p.m., Jeffrey Field.
Gallery talk, Dr. Jeanne Chenault and Dr. Roland Fleischer, art history, on the Samuel H. Kress Memorial Collection, 10:30 a.m., Museum of Art.
Senate Council meeting, 2 p.m., Room 101 Kern.
G.S.A. Council meeting, 7 p.m., Room 102 Kern.

Wednesday, October 1
Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.
Food Symposium "Food and Our Future," 9 a.m.-9 p.m., Room 112 Kern.
Noontime Concert, 12:15 p.m., lobby of Kern.

Thursday, October 2
Commons Videotape Showing, 12 noon, lobby of Kern.

Friday, October 3
Sports: Women's Field Hockey, vs. Maryland, 3:30 p.m.
Hetzel Union Board, "A Night at the Races," 8 p.m., HUB ballroom.
G.S.A.'s Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Colloquy program, 9:30 p.m., University Auditorium. Heywood Hale Broun, sports-writer and CBS news commentator.

Saturday, October 4
Penn State Glee Club, Homecoming Concert, 7:30 p.m., University Auditorium.
PSDC Hiking Club, backpack on Loyalsock Trail.
Sports: Football, vs. Kentucky, 1:30 p.m. Cross Country, vs. West Virginia
International Council Film, 8 p.m., Room 112 Kern.

Sunday, October 5
PSDC Hiking Club, backpack on Loyalsock Trail.
Chapel Service, 11 a.m., Music Bldg. recital hall. Rev. Philip Jones, D.D., Pastor, The First Presbyterian Church, Milton.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Elder Gerald G. Loyd, Pastor, Black Christian Fellowship.

WEEK OF OCTOBER 6

Monday, October 6
Seminar on the use of education reference materials, 7 p.m., Room W110 Pattee Undergraduate Library.

Tuesday, October 7
Artists Series, Fellini Film Festival, "The White Sheik," 8:30 p.m., University Auditorium.
G.S.A. Council meeting, 7 p.m., Room 101 Kern.

Wednesday, October 8
Raymond Brown, bass-baritone recital, 8:30 p.m., Music Bldg. recital hall.
Noontime Concert, 12:15 p.m., lobby of Kern.

Thursday, October 9
University Theatre, "Summer and Smoke," 8 p.m., Pavilion Theatre.

Friday, October 10
Penn State Symphony Orchestra, 8:30 p.m., University Auditorium.
G.S.A.'s Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
University Theatre, "Summer and Smoke," 8 p.m., Pavilion Theatre.

Saturday, October 11
Sports: Football, vs. West Virginia, 1:30 p.m. Men's Cross Country, vs. Kent State.
University Theatre, "Summer and Smoke," 8 p.m., Pavilion Theatre.
Artists Series, Monteverdi Choir and Orchestra, Monteverdi "Vespers," 8:30 p.m., University Auditorium.

Sunday, October 12
PSDC Hiking Club, Flaming Fall Foliage Hike, 9 a.m.
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Julian Casserly, Seabury-Western Theological Seminery, Evanston, Ill.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Rev. Charles L. Coleman, Religious Affairs.

WEEK OF OCTOBER 13

Monday, October 13
France Cinema, "Breathless," 7 and 9 p.m., Room 112 Kern.

Tuesday, October 14
College of Arts and Architecture faculty meeting, 4 p.m., Room 112 Music Bldg.
Seminar on the use of psychology reference materials, 7 p.m., Room W110 Pattee Undergraduate Library.
University Theatre, "Summer and Smoke," 8 p.m., Pavilion Theatre.
Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Wednesday, October 15
University Theatre, "Summer and Smoke," 8 p.m., Pavilion Theatre.
Artists Series, Chinese "Acrobats of Taiwan, 8:30 p.m., Recreation Hall.
Noontime Concert, 12:15 p.m., lobby of Kern.
Graduate Council meeting, 2:30 p.m., Room 101 Kern.

Thursday, October 16
College of Business Administration faculty meeting, 10 a.m., Room 201 Business Administration Bldg
University Theatre, "Summer and Smoke," 8 p.m., Pavilion Theatre.
Commons Videotape Showing, 12 noon, lobby of Kern.

Friday, October 17
G.S.A.'s Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Sports: Soccer, vs. Maryland, 7 p.m., Jeffrey Field.
University Theatre, "Summer and Smoke," 8 p.m., Pavilion Theatre

Saturday, October 18
Sports: Men's Cross Country, vs. Indiana.
University Theatre, "Summer and Smoke," 8 p.m., Pavilion Theatre.
P.S.U. Symphony Orchestra, 8:30 p.m., University Auditorium.

Sunday, October 19
Chapel Service, 11 a.m., Eisenhower Chapel. Chaplain Warren Solberg, Pastor, David's Church, Millersburg, Pa
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Elder Gerald G. Loyd, Pastor, Black Christian Fellowship.
Artists Series, Music from Marlboro, 8:30 p.m., Schwab.

WEEK OF OCTOBER 20

Monday, October 20
Term paper workshop, 7 p.m., Room W110 Pattee Undergraduate Library.

Tuesday, October 21
Annual Graduate Faculty meeting, 3 p.m., Room 112 Kern.
G.S.A. Council meeting, 7 p.m., Room 101 Kern.

Wednesday, October 22
Musica da Camera, 8:30 p.m., Music Bldg. recital hall.
PSDC Ski Clinic, 7 p.m., HUB ballroom.
Artists Series, Four Decades of American Film Festival, "Greed," 8:30 p.m., University Auditorium.
Noontime Concert, 12:15 p.m., lobby of Kern.

Thursday, October 23
Commons Videotape, 12 noon, lobby of Kern.

Friday, October 24
Folk and Square Dance Rounoup, 7:30 p.m., White Bldg
Penn State Brass Chorale and Penn State Wind Ensemble, 8:30 p.m., Music Bldg. recital hall
Sports: Women's Field Hockey, vs. Millersville, 2 p.m. Soccer, vs. Navy, 7 p.m., Jeffrey Field.
United Campus Ministry U.N. Day program, 8 p.m., HUB assembly room.
G.S.A.'s Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Artists Series, Hume Cronyn and Jessica Tandy in "The Many Faces of Love," 8:30 p.m., Schwab.

Saturday, October 25
Sports: Football, vs. Army, 1:30 p.m.
International Council film, 8 p.m., Room 112 Kern.

Sunday, October 26
Coleen Bidelspach, soprano recital, 3:30 p.m., Music Bldg recital hall.
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. James Whiteside, Team Physician.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Elder Joseph L. Gavlington, Pastor, Pittsburgh.

WEEK OF OCTOBER 27

Monday, October 27
Steven Smith, piano recital, 8:30 p.m., Music Bldg recital hall.
First day for signing Winter Term NDSL, SEDG, BEOG, and University Long Term Loans, Room 108 Shields
France Cinema, "Alphaville," 7 and 9 p.m., Room 112 Kern.

Tuesday, October 28
College of Liberal Arts faculty meeting, 3:45 p.m., Room 121 Sparks.
Sports. Women's Field Hockey, vs. East Stroudsburg, 3 p.m.
Gallery talk, William Hull, Museum Director, on "200 Years of Royal Copenhagen Porcelain," 10:30 a.m., Museum of Art.
Senate Council meeting, 2 p.m., Room 101 Kern.



No. 67 is Greg Gaille, linebacker and co-captain of the 1975 team who hopes to get opposing quarterbacks in his grasp often before they can throw the ball. Faced with one of the toughest schedules in Penn State history, this year's team will have to mature early, the experts say, to stay high in public rating, and Buttils and other defensemen could be the key.

Wednesday, October 29
Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.
PSDC Ski Clinic, 7 p.m., HUB ballroom.
Noontime Concert, 12:15 p.m., lobby of Kern.

Thursday, October 30
University Theatre, "The Caucasian Chalk Circle," 8 p.m., Playhouse Theatre.
Commons Videotape Showing, 12 noon, lobby of Kern.

Friday, October 31
Peter Brye, cello recital, 8:30 p.m., Music Bldg. recital hall.
Last day for signing Fall Term NDSL, SEDG, BEOG, and University Long Term Loans, Room 108 Shields.
G.S.A.'s Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
University Theatre, "The Caucasian Chalk Circle," 8 p.m., Playhouse Theatre.

Saturday, November 1
Sports: Men's Cross Country, PIAA Championships, Men's Central Collegiate Championships.
University Theatre, "The Caucasian Chalk Circle," 8 p.m., Playhouse Theatre.

Sunday, November 2
PSDC Hiking Club, exploration in Big Kettle and Buck Ridge Area of Rothrock State Forest, 9 a.m.
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Joseph Faulkner, sociology.
Black Christian Fellowship worship service, 11 a.m., Black Cultureel Center. Elder Gerald G. Loyd, Pastor, Black Christian Fellowship.

WEEK OF NOVEMBER 3

Monday, November 3
Artists Series, Samuel Gallu in "Give 'Em Hell, Harry," one-man show based on the life of Harry S. Truman. 8:30 p.m., University Auditorium.
Colloquy program, 8 p.m., Schwab. Florynce (Flo) Kennedy, attorney and author.

Tuesday, November 4
Sports: Women's Field Hockey, vs. Lock Haven, 3 p.m.
University Theatre, "The Caucasian Chalk Circle," 8 p.m., Playhouse Theatre.
Artists Series, Fellini Film Festival, "I Vitelloni," 8:30 p.m., University Auditorium.

Wednesday, November 5
Philip Dettra, piano recital, 8:30 p.m., Music Bldg. recital hall.
University Theatre, "The Caucasian Chalk Circle," 8 p.m., Playhouse Theatre.
Noontime Concert, 12:15 p.m., lobby of Kern.
Colloquy program, 8 p.m., University Auditorium. Betty Friedan, author.

Thursday, November 6
University Theatre, "The Caucasian Chalk Circle," 8 p.m., Playhouse Theatre.
Commons Videotape Showing, 12 noon, lobby of Kern.

Friday, November 7
Folk and Square Dance Roundup, 7:30 p.m., White Bldg.
G.S.A.'s Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Sports: Soccer, vs. Temple, 7 p.m., Jeffrey Field.
University Theatre, "The Caucasian Chalk Circle," 8 p.m., Playhouse Theatre.

Saturday, November 8
Sports: Lady Lion Cross Country Classic. Football, vs. North Carolina State, 1:30 p.m.
Hetzel Union Board Annual Jammy. 8 p.m., HUB ballroom.
University Theatre, "The Caucasian Chalk Circle," 8 p.m., Playhouse Theatre.

Sunday, November 9
Kathy Kellie, oboe recital, 3:30 p.m., Music Bldg, recitel hall.
PSDC Hiking Club, exploration in Big Kettle end Buck Ridge Area of Rothrock State Forest, 9 a.m.
Chapel Service, 11 a.m., Music Bldg. recitel hall, Joseph Rhodes, Jr., State Legislature Representetive, member, Board of Trustees.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Rev. David Minor, Pastor, The Gospel Assembly, Coudersport, Pa.

WEEK OF NOVEMBER 10

Tuesday, November 11
Gallery talk, Mary L. Myers, associate curator, Metropolitan Museum of Art, on "Architectural end Ornament Drawings: Juvarra, Vanvitelli, the Bibiena Family, and Other Italian Daughtsmen," 10:30 a.m., Museum of Art.
Senate meeting, 2:10 p.m., Room 112 Kern.

Wednesday, November 12
Concert of Women Composers, 8:30 p.m., Music Bldg. recital hall.
Artists Series, Four Decades of American Film Festival, "All Quiet on the Western Front," 8:30 p.m., University Auditorium.
Noontime Concert, 12:15 p.m., lobby of Kern.

Thursday, November 13
Commons Videotape Showing, 12 noon, lobby of Kern.

Friday, November 14
Last day for signing Fall Term Emergency Loans, Room 108 Shields.
G.S.A.'s Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Sports: Soccer, vs. Pittsburgh, 7 p.m., Jeffrey Field.

Saturday, November 15
Classes end.
Sports: Women's Cross Country USTFF Meet.

Sunday, November 16
Sports. Men's Cross Country Eastern USTFF Championships.
PSDC Hiking Club, hunt for Old Wheeler, Brewer and other trails on Tussey Ridge, 9 a.m.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Elder Harold McKenzie, Chairman of Black Christian Fellowship, Board of Elders.

WEEK OF NOVEMBER 17

Monday, November 17
Final examinations.

Tuesday, November 18
Final examinations.
College of Agriculture faculty meeting, 4 p.m., Rooms 301 A and B Ag Administration.
G.S.A. Council meeting, 7 p.m., Room 101 Kern.

Wednesday, November 19
Final examinations.

Thursday, November 20
Central Pa. Soc., AIA, 8 p.m., Room 101 Kern, lecture by E. J. W. Barber, Occidental College, on "Archaeological Decipherment."

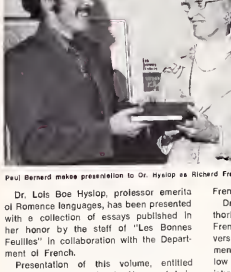
Sunday, November 23
Sports. Men's Eastern USTFF High School Championships.

WEEK OF NOVEMBER 24

Monday, November 24
Sports. Men's Cross Country NCAA Championships.

Saturday, November 29
Commencement, 10:30 a.m., Rec Hall.

Dr. Hyslop honored by colleagues



Paul Bernard makes presentation to Dr. Hyslop as Richard Frautschi looks on.

Dr. Lois Boe Hyslop, professor emerita of Romance languages, has been presented with a collection of essays published in her honor by the staff of "Les Bonnes Feuilles" in collaboration with the Department of French.

Presentation of this volume, entitled "Essays on Baudelaire In Honor of Lois B. Hyslop," was made at a reception Aug. 23, attended by colleagues, friends and former students. Dr. Richard Frautschi, professor and head of the Department of French, and Paul Bernard, editor of "Les Bonnes Feuilles," were principal speakers at the presentation.

The essays deal with various aspects of Baudelaire studies, such as art criticism, authorship and attribution, interpretation, literary influences and musical settings. Contributors include several eminent authorities on the work of the 19th century French poet.

Dr. Hyslop, who is a well-known authority on Baudelaire and 19th century French literature, was a member of the University faculty from 1948 until her retirement last year. She also was a senior fellow of the Institute for the Arts and Humanistic Studies. Her works include four books on Baudelaire, written in collaboration with her husband, Francis, who is professor emeritus of art history.

"Les Bonnes Feuilles," now in its third year of publication, is a journal of French literary studies published semi-annually by graduate students under the auspices of the Department of French. "Essays on Baudelaire in Honor of Lois B. Hyslop" is the sixth issue of the journal and is available at $3.00 per copy from the editors of "Les Bonnes Feuilles," 5401 Burrowes Bldg.

Staff vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (Network Line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Thursday, Sept. 11. **Do not contact the area that has the vacancy.**

ADMINISTRATIVE AIDE, (2 positions), COLLEGE OF HUMAN DEVELOPMENT, DIVISION OF BIOLOGICAL HEALTH, DIVISION OF COMMUNITY DEVELOPMENT — University Park

Assist Director in planning and preparing division budget, research budgets, monitor expenditures of funds on various budgets; approve expenditures as funds are allocated by Director; responsible for maintaining divisional personnel information system, student record system and supply data when needed; be aware of and instruct Director, faculty and support staff of University policies; maintain liaison with Office of Administrative Services; administer academic support functions such as class scheduling, registration, seminars and meetings. Bachelor's degree or equivalent in Business Administration or equivalent. Over one year of directly related administrative supervisory experience

PATIENT FOOD SERVICE SUPERVISOR — Hershey

Responsible for operation, scheduling, and supervision of personnel in the Food Service Department High School plus at least two years of formal outside training and 1 to 2 years directly related food service experience.

RESEARCH AIDE-MICROSCOPIST, COLLEGE OF EARTH & MINERAL SCIENCES — University Park

Conduct microscopic analysis of coal samples; interpret data gathered through examination, establish techniques and procedures for obtaining petrographic data; process data by calculator and computer, maintain accurate records and files. Bachelor's degree or equivalent with some courses in physical science plus one year of laboratory-related experience. Geology background desirable.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS — Berks Campus

Responsible for administration of student activities and cultural program. Provides general assistance to the Dean in administration of Student Affairs programs and services. A Master's degree or equivalent in student personnel work or related field and one to three years of related experience

Funding opportunities

For procedural and funding source information, call 865-1372.

(10-1) The NSF program **Ethical and Human Value Implications of Science and Technology** (EHVIST) has a Jan. 15, 1976, closing date for **case studies** and a Feb. 15, 1976, date for **other projects**. The EHVIST program supports research, education and public understanding projects in: (1) impact of new developments in science and technology in the values of society; (2) impact of societal values on the development of science and technology, and (3) value issues which arise when science and technology. Projects include in-depth case studies, experimental summer workshops or institutes and national conferences or workshops. (Ref. NSF 75-19)

(10-1) The Office of Education has issued proposed rules for its new **Women's Educational Equity Program.** Projects will be funded to develop and disseminate approaches and products of national impact such as: (1) **systemic change** to eliminate sex role stereotyping which limits the aspirations, experiences, and options of women; (2) **institutional change** to eliminate discriminatory practices and policies in educational agencies; and (3) **remediation** for individuals through special opportunities and training to overcome past discriminatory practices. Funding will be made through grants, small grants (up to $15,000), and contracts (technical assistance and workshops). Grant priorities include: training modules to provide preservice and inservice training; exemplary education leadership programs, and development of programs to broaden career options for women. This information has been distributed. (Ref 40FR33801-09, 8/11/75).

(10-1) The National Endowment for the Arts has published guidelines for its **Jazz/Folk/Ethnic Music grants program** (deadline Oct. 1, 1975. Included under the **Jazz category** are: composer/arrangor, instrumentalists/singer, travel/study and preservation/program/residency fellowship grants. The **Folk/Ethnic category** includes: presentations, documentation/preservation/dissemination, pilot study and general grants. Also announced with the same deadline are Opera grant guidelines. Contact for both programs is. Walter Anderson, Director, Music Program, NEA, Washington, D.C. 20506 (202-634-6398). (Ref. 40FR 37101-07, 8/25/75).

(10-6) The **Internamerican Foundation** (1515 Wilson Blvd., Rosslyn, Va 22209) offers learning fellowships on social change to pre-and post-doctoral scholars. Stipend is $550 per month plus maintenance, health and travel allowances for 6-24 months. Fellows are expected to affiliate with an institution in a Latin American or Caribbean country and must speak the host-country language. Program objectives are to contribute to research and scholarship on social change, to learn from Latin American and Caribbean social change programs and to advance academic-practitioner cooperation. The application deadline is Dec. 1, 1975. For application forms and further information, write to the address given above. (Ref. FO 75-23).

(10-7) The **Danforth Foundation** has sent a supply of special forms to be used in applying for Graduate Record Examinations. The application deadline for these fellowships will be announced later. Applications will probably be due in the Graduate School in late October (compare Fellowship Announcement 74-20). All applicants must apply no later than Sept. 22 for aptitude and advanced Graduate Record Examination tests to be given Oct. 18. Persons planning to apply should pick up the forms at 317 Kern and make an appointment for an interview with B. F. Howell, Jr. for the week of Sept. 15. (Forms can be picked up at that time if any are left.) (Ref. FO 75-23).

Faculty notes

Dr. Raymond Ayoub, professor of mathematics, was among six mathematicians honored with Lester R. Ford Awards at the 55th annual summer meeting of the Mathematics Association of America last month. The award is presented annually to six authors of expository articles on mathematical topics judged outstanding by a subcommittee of the association's Committee on Publications. Dr. Ayoub's winning article was "Euler and the Zeta Function" published in the Mathematics Monthly. Head of the Mathematics Department from 1968 to 1971, Dr. Ayoub joined the Penn State faculty in 1962 after serving as Pierce instructor at Harvard University. A specialist in analytic number theory, he is the author of the section entitled "An Introduction to Analytic Theory of Numbers" in the current Encyclopedia Britannica.

Dr. Charles L. Newman, professor of law enforcement and corrections, has received the 1975 Distinguished Service Award of the Kentucky Council on Crime and Delinquency. Dr. Newman was cited for his initiation and development of in-service training for probation and parole personnel and for his continuing contribution to the professional literature in criminal justice.

Dr. James W. Keiz, professor of education and assistant director of the rehabilitation education programs, has been appointed a U.S. delegate to the International Association for Education and Vocational Guidance General Assembly, to meet during the Association's Seminar in Lisbon, Portugal, in September. He will represent the National Vocational Guidance Association, of which he is the current president. This is an organization of 10,000 members and a major division of the American Personnel and Guidance Association.

Two College of Agriculture faculty members, **Dr. Dale E. Baker** and **Dr. Donald A. Jung,** were named Fellows of the American Society of Agronomy at the society's annual meeting last month in Knoxville, Tenn. They were among 20 scientists elected for professional achievements and meritorious service. Dr. Baker is professor of soil chemistry. His career has been largely in research and graduate teaching, with emphasis on soil chemistry and soil plant relationships involving ion uptake by plants. Dr. Jung is research agronomist with the U.S. Regional Pasture Research Laboratory at University Park and adjunct professor of agronomy. His research concerns the interrelationships among climatic, soil-related factors, and genetic factors affecting plant growth and persistence — and animal performance such as growth rate.

Shartel Heads NROTC

Capt. Howard A. Shartel, USN, has assumed command of the Naval ROTC Unit and will head the Department of Naval Science.

A graduate of the U.S. Naval Academy, where he received a B.S. in electrical engineering in 1950, Capt. Shartel has an M.S. in aeronautical engineering from the Massachusetts Institute of Technology. He has extensive flying time in both helicopters and fixed wing airplanes.

He was commanding officer of an aircraft squadron and commander of Carrier Air Group 52, as well as assistant project manager for engineering for the new Lockheed Viking anti-submarine warfare aircraft and branch head of the Helicopter Engineering and Design Section in the Naval Air Systems Command in Washington, D.C.

Orchestra to rehearse

The State College Symphony Orchestra will begin rehearsals Monday, Sept. 8, at 7:30 p.m. in the Band Room of the Westerly Parkway Senior High School under the baton of Donald Hopkins, associate professor of music.

The first two rehearsals will be open to interested persons, with auditions scheduled after that period. Membership is open to any qualified musician in the area. Further information may be obtained from Hopkins at 238-4436; Ann Keller, 466-6902; and Robert Manning, 466-6698.

11 appointed

The following new faculty have been named effective Sept. 1.:

Judith A. Burns, as assistant professor of speech communication at Ogontz. A candidate for a Ph.D. in speech communication from Penn State, she has a B.A. from Depauw University and an M.A. from Indiana State in Terre Haute.

Ronald G. Johnson, as assistant professor of physics at Delaware County. A former instructor at Erindale College of the University of Toronto, he has a B.A. in physics from Gustavus Adolphus College and an M.S. and Ph.D. from Iowa State.

Christopher L. Johnstone, as assistant professor of speech communication at Delaware County. His A.B. in rhetoric is from the University of California at Davis, and his M.A. and Ph.D. in communication arts are from the University of Wisconsin at Madison.

Richard J. Kramer, as assistant professor of mathematics at Delaware County. His B.A. is from Fordham University, his Ph.D. from the University of Pennsylvania. He has been an instructor at University Park and also taught at Rosemont College.

Stephen P. Lagoy, as assistant professor of criminal justice at Delaware County. A member of the Maine and Massachusetts bars, he has a bachelor's degree in international affairs from Georgetown University, an M.S. in criminal justice from Northeastern University and a J.D. from the University of Maine School of Law.

Dr. Charles R. Matthews, as assistant professor of chemistry. He has been a post-doctoral fellow in the Department of Biochemistry at Stanford University Medical Center. He received a Ph.D. in chemistry from Stanford in 1974, and is a graduate of the University of Minnesota. He is a specialist in biophysical chemistry.

Gregory L. Naber, as assistant professor of mathematics at Delaware County. Formerly a member of the faculty at Du-Bois, he was granted his B.S., M.S. and Ph.D. by Carnegie-Mellon.

Dr. Darrell J. Steffensmeier, as assistant professor of sociology. He was graduated from St. Ambrose College and holds advanced degrees from the University of Iowa. He has taught at North Carolina State University since 1971.

Troy Thomas, as assistant professor of humanities and art at Capitol Campus. He is a graduate of the Philadelphia Museum College of Art, earned master's degrees from Bucknell University and the University of Colorado and is concluding a Ph.D. program at the University of California, Berkeley. His specialty is Italian Renaissance art.

Merry Lynn Blount, as instructor in health, physical education and recreation. Former assistant coach of the women's varsity golf team at University Park, she has a B.S. from the University of Arizona and an M.S. from Penn State.

Robert L. Stout, as instructor in economics. A doctoral candidate at Penn State, he also obtained his B.S. and M.A. here.

Dr. Clark retires

Dr. Robert E. Clark, professor of sociology, retired Sept. 1 after 28 years of service. Dr. Clark specialized primarily in the areas of social problems, criminology and penology.

He is the author of a monograph, published in 1969, on "Critical Values in 2X2 Tables," co-editor of "Criminology: A Book of Readings," and in 1972 published a book on "Reference Group Theory and Delinquency."

He also has written a number of technical papers dealing with such subjects as the relationship of occupations to mental disorders, statistics and parole.

Born in Litchfield, Ohio, Dr. Clark earned his B.A. in sociology at the University of Akron. Both his M.A. and Ph.D. degrees in sociology were conferred by the University of Chicago. He worked as a junior and senior sociologist actuary with the division of pardons and parole of the State of Illinois and served in the United States Navy from 1943 to 1946 as a lieutenant.

PENN STATE intercom

Volume 5, Number 2 September 11, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Faculty club framework going up on schedule behind Inn



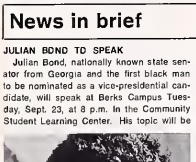


Photos provide evidence that Penn State's new faculty club is on the way at last. Facility is due to open in September, 1976.

News in brief

JULIAN BOND TO SPEAK

Julian Bond, nationally known state senator from Georgia and the first black man to be nominated as a vice-presidential candidate, will speak at Berks Campus Tuesday, Sept. 23, at 8 p.m. in the Community Student Learning Center. His topic will be



Julian Bond

"What's Next." Bond, who helped found the Committee on Appeal for Human Rights and the Student Non-Violent Coordinating Committee, has published his collected speeches under the title, "A Time to Speak, A Time to Act," and has also written a number of poems and articles. Tickets for his talk are available through the Office of Student Affairs at Berks.

PROGRAM TALENT FUND

To provide financial support toward the contractural fees charged by performers appearing in Artists Series events, a Program Talent Sustaining Fund has been established. The plan will also help meet demands for tickets to heavily subscribed events.

Patrons who are uneble to attend a performance are being asked to return their tickets prior to the event, either by mail or in person, to the Artists Series office, 203 Schwab Auditorium. Patrons will receive a receipt for their tickets, which will then be offered for sale at face value.

Receipts from tickets thus sold will be deposited in the Program Talent Sustaining Fund, and patrons will receive a tax deductible receipt for the face value of the ticket as a donation to the fund. Unsold tickets will be returned to their owners.

When making sales, Artists Series ticket sellers have been asked to give priority to tickets which have been turned in.

UNICARE APPROVED

The Pennsylvania Insurance Department has notified Penn State that our UNICARE group medical insurance is considered a qualified plan under the provisions of the new "no-fault" auto insurance law. This means that faculty and staff may elect the option under the law which provides a small discount in the auto insurance premium if UNICARE is designated as the primary plan for paying medical expenses resulting from an accident. Anyone interested in electing this option should contact their insurance agent.

FELDMAN TO PERFORM

Leonard Feldman, associate professor of music and cellist with the Alard String Duartet and the Thalia Trio, will present a cello recital at 8:30 p.m. Wednesday, Sept. 17, in the Music Bldg. recital hall.

Of the six works to be presented by Feldman, four were composed directly for the cello or adapted for that instrument by the composer, as were the two meditations to be performed from Leonard Bernstein's "Mass." Other selections on the program written directly for cello are Rachmaninoff's "Sonata in G Major," "Requiebros" by Spanish cellist Cassado, and "Sonata for Solo Cello" by Philadelphia composer George Crumb.

Arranged for cello from the originals for violin are "Chaconne" by Vitali and "Zapateado," a shoemaker's dance written by Sarasate and arranged by Rose.

Assisting Feldman will be pianist Philip Dettra, assistant professor of music.

(Continued on page two)

Worker influence is topic of Levison lecture

Andrew Levison, the man who shattered some myths about the American blue collar worker in his book, "The Working Class Majority," will speak at the University on Friday, Sept. 19.

He will discuss "Worker Influence in Political and Economic Policy" at 3:30 p.m. in Room 112 Kern Graduate Bldg. The talk is sponsored by the Department of Sociology as part of the department's continuing education program. Levison serves as research associate at the Martin Luther King Jr. Center for the Study of Change, Atlanta, Ga.

"The Working Class Majority" presents American workers as a viable force for political and economic reform. As a critique of the status of workers in a time of inflation and a slackening economy, the book explodes the notion of worker well-being and economic security.

In a review of the book in the summer issue of "Dissent," Jonathon Rieder says:

"'The Working Class Majority' is an unpretentious little book, written with clarity and common sense. Its point of departure is the 1972 desertion of blue-collar workers to Nixon. Levison's audience and the objects of his pique are those left liberals who slighted worker discontent, glamorized blacks and youth and persisted in a destructive liberal confusion about social class. They entertained a variety of myths about the working class: its integration into the middle class, its affluence and its political conservetism.

"Levison proceeds to shatter these myths, fusing personel anecdote, statistical data and trenchant argument."

In his book, Levison concludes that the detection of workers can be attributed to the failures of liberel planners and leaders more than to any other cause.

Everything is on schedule for the Faculty Club building. According to Dr. Donald R. Olson, head of the Department of Mechanical Engineering and club president, the facility should open, as planned, in September, 1976.

"We are just beginning to plan for the interior of the building," says Dr. Olson, pointing out that the firm of Venturi and Rauch, Architects, has been hired for the effort. This is the same firm that designed the building.

Dr. Olson also reminds that the club facility will be "full service," utilizing its own kitchen facilities — not those of the Nittany Lion Inn.

"Later this fall, we will survey a large number of faculty as to their desires for service in the building," says Dr. Olson. "This survey will help guide our planning."

He adds that a membership drive will start in January.

The other officers of the Faculty Club, who began their term Sept. 1, are: vice president, Dr. Peter Bennett, professor of marketing; secretary, Dr. Robert L. Clewett, professor of marketing; and treasurer, Dr. James Dungan, director of institutional research and planning in the Office of Budget and Planning.

Acting Affirmative Action head named

Robert L. Kidder, manager of the Employment Division, has been named acting affirmative action officer for the University.

He succeeds Dr. Patricia Farrell, who has held the position since January, 1973, and who has now returned to her duties as associate professor of recreation and parks.

In his work with the Office of Personnel Administration, Kidder worked closely with Dr. Farrell and the Affirmative Action Office, explains Provost Russell E. Larson, who has responsibility for the office.

A 1961 graduate of the University with a B.S. in business administration, Kidder was formerly affiliated with Nationwide Insurance Companies.

PENN STATE COLLECTION

News in brief—

(Continued from page one)

CATALOG AVAILABLE

A 96-page catalog for the exhibition of figurative drawings by Carlo Maratti and his contemporaries, held last spring at the Museum of Art, is now available at the Museum store. Prepared by Jean K. and Robert H. Westin, both of whom are doctoral candidates in art history here, the catalog contains some 60 black-and-white reproductions. Information on the artists and their drawings is included, along with an introductory essay.

FACULTY TOURS

Pattee Library will offer faculty orientation tours from Monday, Sept. 15, through Thursday, Sept. 18. Tours begin in the Reference Room, E105 Pattee.

EVAN PUGH MEMORABILIA

An exhibit featuring the microscope and laboratory equipment of Penn State's first president, Dr. Evan Pugh, has been installed in the gallery of the Earth and Mineral Sciences Museum in the Mineral Industries Bldg. The groundwork for instruction and research in the mineral industries at Penn State was begun under Pugh. As a result of his encouragement, three of the 11 theses prepared by members of the first graduating class of 1861 had to do with minerals. Photocopies of the title and dedication pages from one of these theses are included in the exhibit.

YORK EXHIBITS

Area artists will have their works displayed during a series of five exhibits scheduled during the coming year at York Campus. The opening show, which will run from Sept. 14 through Oct. 17, will feature the oils, prints and watercolors of Liza Flemming, an instructor at Boyertown East Junior High School.

NEWCDMERS' COFFEE-DESSERTS

The Newcomers' Club of the Faculty Women's Club will sponsor a series of coffee-dassorts the week of Sept. 15 to welcome new women faculty and administration members and wives of new faculty and administrators. Each gathering will begin at 8 p.m., and newcomers have a choice of the following evenings. Monday, Sept. 15, at the home of Peggy Kendall, 714 Devonshire Dr., with co-hostesses Marie Leafh and Susan Hershberger; Tuesday, Sept. 16, at the home of Kay Christoffers, 949 Robin Rd., with co-hostess Andrea Lee; Wednesday, Sept. 17, at the home of Pearl Forth, 963 E. McCormick, with co-hostesses Kathy Zeugner and Cindy Jackson; or Thursday, Sept. 18, at the home of Peggy Paulsed, 439 W. Park Ave., with co-hostess Bonnie Godbey.

CENTER DEDICATED

The new Student Learning Center at New Kensington Campus was dedicated during the annual Parents Day last Sunday, Sept. 7. Principal speaker was Kenneth L. Holderman, a member of the University Board of Trustees. The $650,000 structure, financed by funds raised by the Advisory Board in a local drive, contains a food service area, bookstore, student activities area, large study areas, student government offices and offices for the student affairs staff.

REPLACEMENTS SET

Replacements for "Our Town" and "King Lear," originally scheduled for this year's Artist Series on Oct. 4 and 5, respectively, have been announced.

"Give 'Em Hell, Harry," a one-man show based on the life and times of Harry S. Truman, portrayed by Samuel Gallu, will be presented Monday, Nov. 3. Tickets for this performance, which is part of the Performing Arts in America series, will go on sale Tuesday, Sept. 16, at the HUB booth and University Auditorium from 9 a.m. to noon and from 1 to 4 p.m.

Famed pantomimist Marcel Marceau will replace the "King Lear" performance Jan. 10. This show, part of the Theatre-Dance series, is sold out.

Because of an unprecedented demand for tickets this fall, the Artists Series advises anyone wishing tickets to obtain them at once since very few now remain. Tickets are available at the HUB, the Auditorium box office or at 203 Schwab Auditorium.

LONDON BUS SCHEDULE

Campus tours on the University's London double decker bus are available Fridays only during Fall Term. The bus will leave the HUB at 3:30 p.m., with a trained guide to brief passengers on the 30-minute ride. Tickets are available at the HUB desk for 25 cents. The bus will also leave the foot of the Mall at College Avenue and South Allen Street at 10 and 11 a.m. on the Saturdays of home football games.

PARKING RELDCATED

The visitor parking area for the off-central portion of the University campus has been relocated from the Undergraduate Library to parking area Brown F. The new location, accessible from Shortlidge Road, provides additional visitor parking space and is adjacent to the Hetzel Union Bldg. and the new Terrace Room Cafeteria.

New appointments

New appointments to the faculty include:

Carl W. Sherman as associate professor of petroleum and natural gas engineering. B.S. and M.S. in petroleum and natural gas engineering, Penn State. Formerly manager of operations, Honeoye Storage Corp.; acting chief, systems planning, Gas Division, N.Y. Public Service Commission; director, Division of Mineral Resources, N.Y. State Department of Environmental Conservation.

R. Thomas Berner as assistant professor of journalism. B.A. English, Penn State; M.A. journalism, Penn State. Former city editor, Centre Daily Times and Pennsylvania Mirror.

Dr. Michael M. Coleman as assistant professor of polymer science. B.S. Borough Polytechnic, London; M.S and Ph.D., Case Western Reserve. Research chemist for E. I. DuPont de Nemours for past two years.

John N. Rippey as assistant professor of journalism. B.A. English, Bates College; M.A. Columbia School of Journalism. Formerly reporter, Providence Journal; staff of University of Rhode Island's Public Information office, assistant professor of journalism, Syracuse University.

Dr. Eli Sani as assistant professor of mineral economics. B.A. economics, Hebrew University, Jerusalem; M.B.A. finance, Wayne State; Ph.D. finance, Penn State. Formerly director of pension and investment department of Mlchchlm Insurance Co., Tel-Aviv

Craig D. Tenney as assistant professor of journalism. B.A. speech, Cornell College; M.A., speech, theatre and broadcasting, University of Michigan. Ph.D. candidate, Indiana University. Formerly news director, Station KCRG, Cedar Rapids, Iowa; radio presentations consultant; public relations and advertising work.

Capitol program gets HEW grant

The Cooperative Education Program at Capitol Campus has received a $30,000 grant from the U.S. Department of Health, Education, and Welfare.

Initiated during the summer term of 1975, the Cooperative Education Program at the Campus provides students the opportunity of alternating six months of study and six months of career-related work experience. Programs include business administration in accounting, or electrical design engineering technology. A normal two-year course takes two-and-one half years.

Presently 36 students are enrolled in the Cooperative Education Program, with 26 in electrical design engineering technology and 10 in business administration-accounting. After finishing their first six months of study in December, the students will work in different businesses and companies. They will return tor more class work the following June. The Co-op student normally spends two six-month periods in a career-related work experience and three six-month periods at Capitol Campus.

The student in electrical design engineering technology learns various skills necessary in adapting new scientific knowledge to new products. Business administration-accounting students take courses which lead to managerial positions.

The project director for the Cooperative Education Program is Richerd Schulz. According to Schulz the money from the HEW grant, which is part of the Higher Education Act of 1965, will be used to administer the program.

Faculty notes

Dr. F. G. Brickwedde, Evan Pugh Research Professor of Physics Emeritus, has been elected a Fellow of the Acoustical Society of America. He was honored "for contributions to ultrasonic and magnetoacoustics." Internationally known for his pioneering research in low temperature physics, Dr. Brickwedde is also a co-discoverer of deuterium, an isotope of hydrogen. He came to Penn State in 1956 as dean ot the College of Chemistry and Physics and served in that post until 1963 when the College of Science was formed, and he was named an Evan Pugh Professor Since his retirement in 1968, he has continued to conduct research, to teach and to serve on scientific commissions. Dr. Brickwedde is also a fellow of the American Physical Society and of the American Association for the Advancement of Science.

Dr. John R. Ezzell, associate professor of finance, was named acting head of the Department of Finance in the College of Business Administration, effective July 1. Dr. Ezzell received his baccalaureate degree from Ohio State University in 1964, his M.B.A. from the same university in 1965, and his doctorate in finance from Penn State in 1970. His predecessor, Dr. George C. Philippatos, professor of finance, is on sabbatical leave from the University and is serving as visiting professor at the Escuela de Administracion de Negocios para Graduados (ESAN) in Lima, Peru. Dr. Ezzell's primary research interest is in the area of corporate finance, with special interests in dividend and financing policies. He has published numerous articles in professional financial journals.

Dr. Andrew Pytel, associate professor of engineering mechanics, has been elected chairman of the mechanics division of the American Society for Engineering Education by the division's executive committee. Dr. Pytel also serves as chairman of the mechanics division of the Middle Atlantic section of ASEE and is past chairman of the Penn State branch of that organization. Over 1,600 members of ASEE are affiliated with the mechanics division.

Dr. Paul Edmonston, associate professor of art education, travelled to Barcelona, Spain, to present two papers and participate on a panel with a group of international art educators attending the First International Congress for Teaching in the Visual Arts. The Congress concluded August 30. Over 1,600 members of "Societies for Learning In the Visual Arts" and the other dealt with a survey of contemporary Images of man appearing in painting and scripture.

Dr. Jon P. Gunnemann, assistant professor of religious studies, is the editor of a new book, "The Nation-State and Transnational Corporations in Conflict," published by Praeger. Dr. Gunnemann was asked to compile the book, for which he also wrote an introduction and analytical summary, from papers delivered at a conference held two years ago at the Aspen Institute of Humanistic Studies under the sponsorship of the Council on Religion and International Affairs. He is co-author of an earlier work, "The Ethical Investor."

Frank W. Peikert, professor and head of the Department of Agricultural Engineering since 1954, retired Sept. 1 as professor emeritus of agricultural engineering. He has been engaged in teaching agricultural engineering since 1934, with the exception of a year in the 1940s as development engineer with Goodyear Tire and Rubber Co. He served on the faculties of the University of Georgia, Texas A. and M., and Michigan State University and headed the Department of Agricultural Engineering at the University of Maine.

At Penn State, Professor Peikert established joint administration of the department by the Colleges of Agriculture and Engineering, earned accreditation from the Engineers' Council for Professional Development and developed a Ph.D. program. His chief rasaarch interasts have been in agricultural powar machinary and irrigation, and he has publishad mora than 50 technical articles and research bulletins. He and his wife, Jeanette, will remain in State College.

Dr. Edwin Herr, professor and head of the Department of Counselor Education, is the senior author of "Conditions in Education Calling for Reform: An Analysis," Writing with Professor Stanley Cramer of the University of Buffalo, Dr. Herr examines research and theory bearing upon eleven conditions allegedly pointing to the need for educational reform in America. The monograph is the first of a series on Career Education to be published by the Office of Career Education, U.S. Department of Health, Education and Welfare.

Dr. George E. Brandow, professor of agricultural economics, received the Publication of Enduring Quality Award from the American Agricultural Economics Association during the organization's annual meeting at Ohio State University. His publication, "Interrelationships among Demands of Farm Products and Implications for Control of Market Supplies," was judged to be the best research publication published in the field of agricultural economics from 1950 to 1964 It was Issued as Bulletin 680 of Penn State's Experiment Station. Dr. Brandow was named a Fellow of the Association in 1966 and served as association vice president in 1958 and president in 1963

Dr. Jessie Bernard, professor emerita of sociology, has been named to the newly-created National Board of Courses by Newspaper, a netionwide educational program offered in cooperation with newspapers. Dr. Bernard retired from the University in 1964, after serving for 18 years as a member of the sociology faculty. Sha is the author or co-author of a number of books, including "Academic Women" and "The Sex Game." Since Courses by Newspaper began in 1973, nearly 9,000 students have enrolled for credit in courses offered at approximately 200 participating colleges.

Emeritus status has been granted **Dr. Walter J. DeLacy,** professor of education, who retired Sept. 1 after 21 years of service. He also was executive secretary of the Pennsylvania School Study Council for 14 years. Dr. DeLacy earned a diploma in structural engineering from Rochester Technical Institute and a B.S. from the Buffalo State Teachers College for a B.S. in industrial arts engineering. He then took an M.Ed. and D.Ed. at the University of Buffalo. His research interests have included school construction and maintenance as well as problems of the elementary and secondary schools and professional negotiations. He has supervised more than 60 doctoral programs. He and his wife, Luella, plan to remain in State College.

The proceedings of a NATO Advanced Study Institute conceived and directed by **Dr. G. P. Patil,** professor of mathematical statistics, have been published in a three volume series by the D. Reidel Co.

Each of the volumes corresponds to one of the advanced seminars ot the Institute on Statistical Distributions In Scientific Work which was held last year at the University of Calgary, Canada

The volumes contain nearly 100 research papers which cover a wide spectrum of topics in the mainstream ot contemporary statistical distributions and provide comprehensive and convenient reference material for researchers, instructors, and students.

The series was edited by Drs. Patil, Dr. Samuel Kotz, professor of mathematics at Temple University and adjunct visiting professor of statistics at Penn State, and J. K. Ord, senior lecturer in statistics, University of Warwick Coventry, England.

Penn State contributors to Volume 1, titled "Models and Structures," are Dr. Patil, **Dr. William Herkness,** professor and head of statistics, **Dr. Thomas Hettmansperger,** associate professor of statistics, and Penn State alumni Sharadchandra W. Joshi, and Michael A. Keenon.

Volume 2, "Model Building and Model Selection," contains contributions from Dr. Patil, **Dr. Marilyn T. Boswell,** assistant professor of mathamatiel statistics and Dennis Friday, a doctoral candidate in statistics.

The third volume, "Characterizations and Applications," also contains a paper by Dr. Patil as well as contributions from three Penn State alumni, Makarand V. Ratnaparkhi, Ashok V. Godambe, and Kononur Janardan.

Interim procedures to resolve student charges of discrimination

Procedures whereby student allegations of discrimination in any authorized University activity or organization can be promptly reviewed and resolved in accordance with Title IX of The Education Amendments of 1972 have been established by The Pennsylvania State University, effective Sept. 1.

The procedures are outlined, and officials with whom students can consult to express a grievance and secure assistance in having the allegation reviewed and properly corrected, if appropriate, are listed.

The procedures, announced Aug. 8, are considered interim until student leadership can be consulted.

The Pennsylvania State University is committed to the concept and practice of non-discrimination in matters that pertain to students as well as to all staff and academic personnel. This policy was mandated by the Board of Trustees when that body formally approved *The Academic Policy Plan*. Developed subsequently, the University's *Affirmative Action Plan* reiterated the commitment of the University to full implementation of non-discriminatory practices. Procedures have been established whereby staff and academic personnel can present allegations of discrimination and have them appropriately reviewed and adjudicated. This document deals with procedures whereby students can seek resolution of similar allegations.

Discrimination can be presumed to occur in a variety of possible settings and activities. Title IX of *The Education Amendments of 1972* prohibits sex discrimination in admissions; class assignments (with certain exceptions); athletics (with certain exceptions); in awarding financial aid, in student employment; in student activities; in services provided to students; and in the availability and use of University facilities. While sex discrimination is used in this document as the basis for establishing University guidelines, because of the clear statutory requirements contained in Title IX regulations, the procedures that are outlined here have pertinence to all forms of alleged discrimination and to all authorized University activities and organizations.

The procedures described in this document provide for a systematic and appropriate examination of individual student complaints that discrimination, or conditions perceived to be discriminatory, has occurred on the basis of race, creed, color, national origin, handicap or age (as provided by law), or sex. The following principles pertain to all levels of review and adjudication:

1. Review and resolution of grievances shall occur at the lowest administrative level and in the least formal manner possible contingent on satisfaction by the student that fair, valid, and equitable conclusions have been reached.
2. Procedures for resolving allegations in a progressively more formal way and at relatively higher administrative levels shall be made available, if appropriate.
3. All complaints shall be heard, examined, and reacted to with promptness and thoroughness.
4. Confidentiality shall be maintained at all levels of review.

The attached diagram depicts the sequence of steps the University has identified as appropriate for reviewing charges by students of discrimination. Six levels of review are possible, and any charge must have been reviewed at all preceding levels before consideration can take place at any one point in the sequence. Resolution can occur at any level of review.

Procedural Steps

Level I

A student who believes that discrimination has occurred should initially discuss the matter with his/her advisor (academic, E.O.P., residence hall assistant, coach, etc.) and/or the department head of the academic program in which the student is currently majoring. This official shall hear the allegation, collect whatever additional information is necessary or desirable, and attempt to resolve the matter.

Level II

If the problem is not satisfactorily resolved, the student should draft a written statement with proper documentation, and consult with the appropriate official(s) identified below, in the area pertaining to the grievance. If the grievance is of an academic nature, the student should contact the Assistant or Associate Oean in his/her college or the chief academic officer at the appropriate campus. The names, locations, and telephone numbers of these officials follow. If the problem is related to activities or functions other than those which are academic, the representative (see listing) from the relevant office, is prepared to meet with the student and review the matter in detail.

Level III

If the matter is not resolved to the satisfaction ot the student or the party against whom the allegation is made, a three-person hearing committee will be selected. The chief administrative officer for the area in which the grievance is focused shall appoint one member of the three-person ad hoc committee. A second member shall be selected by en appropriate student organization, and the third member shall be chosen by the faculty organization or staff employees who are in the substantive area of the grievance. Every attempt should be made to include minority and/or female representation on the committee. The Chairperson shall be approved by the chief administrator.

The committee shall make every reasonable effort to achieve a settlement after having investigated the written claim of discrimination. Informal styles of investigation shall be utilized by the committees, and no investigation of an allegation may be undertaken by a single member, nor action taken, without the concurrence of the committee.

The committee shall report its findings and recommendations to the chief administrative officer for the area in which the discrimination was alleged to have occurred. This administrator, in turn, shall attempt to achieve a settlement.

Level IV

In those instances in which the allegation of discrimination is not satisfactorily resolved on the part of either party, the Provost shall appoint an ad hoc Oiscrimination Appeal Committee whose members shall be selected as follows:

(a) Two students selected by the Provost from four nominees submitted by the Student Advisory Board.
(b) Two faculty members selected by the Provost from four nominees submitted by the University Faculty Senate Committee on Committees.
(c) One administrator appointed by the Provost.

Every effort shall be made to include representatives from minority groups and females on Oiscrimination Appeal Committees.

The committee is first responsible for determining the advisability for conducting a formal hearing after having received a written statement of charges. Informal proceedings leading to a resolution of the complaint should be undertaken without directly involving the Provost and/or President other than simply reporting that a resolution had been reached.

If a formal hearing is necessary, all deliberations, for the interim, shall follow the general procedures for reviewing complaints of discrimination which accompany these guidelines. Following a formal hearing, the committee shall present its findings to the Provost.

Level V

The Provost, upon receiving the committee's report, shall take whatever corrective action is necessary and appropriate to resolve the issues.

Level VI

Final appeal may be made to the President of the University whose decision is final.

PROCEDURES FOR THE CONOUCT OF FORMAL HEARINGS CONCERNED WITH STUDENT ALLEGATIONS OF DISCRIMINATION

I. Introduction

The following rules shall be used to guide formal hearings and are to be applied in such a way to assure fair, orderly, and expeditious proceedings. While they provide general guidelines to direct hearings by Oiscrimination Review Committees, additional specific rules of procedures may be applied by agreement of both parties.

II. The Charges

A. Written notice of specific charges (including the specific acts forming the basis thereof) shall be filed with the Chairperson along with the charging party's recommendation for a solution to the problem should the claim be upheld. Where a pattern of discrimination is alleged to exist, the complainant shall provide incidents to support the charge.
B. The charges shall be signed by the charging party and presented in sufficient detail to set forth clearly the charges which must be defended.
C. Such written notice must be filed with the Chairperson within 30 days of the date a formal hearing is approved. If the Committee finds the charges insufficiently explicit, it will direct the complainant to clarify them.
O. Copies of the charges shall be provided to the Provost of the University, to all members of the Hearing Committee through the Chairperson, and to the individual(s) charged with discrimination.

III. Counselors, Observers, and Representatives

A. Legal counsel shall not be permitted access to hearings, nor shall the hearings be interrupted solely for purposes of either party consulting with legal counsel or other advisors.
B. Observers shall not be permitted in the hearing room unless requested by appropriate University officials and/or the complainant. In all instances, the members of the Oiscrimination Review Committee shall have the right and authority to dismiss observers from the hearing room by consensus.
C. Tape recordings of the hearing proceedings shall not be permitted by observers.
D. The University shall have the right to have an official representative present at all times throughout the hearing.
E. The news media shall not have access to hearings.
F. The Affirmative Action Office, in its role as staff to the committees, will have the same privileges as those of the University's official representative.

IV. The Official Record

A. The written statement of specific charges shall constitute an official part of the record.
B. The entire hearing shall be tape-recorded, under the control of the Chairperson of the Committee, and the tapes shall become an official part of the record.
C. Additional documents pertaining to the hearing and submitted by the University, charging party, and/or witnesses shall be entered into and become part of the official record. When copies of these documents are made for the Committee members, those copies shall be retrieved at the end of the hearing.
O. Neither the tapes nor those documents which are part of the official record shall be made available to any persons other than the complainant, the University, other parties charged with discrimination, and the Committee in the hearing, excepting in response to legal subpoena or by court order.

V. Witnesses

A. Witnesses for the University (as designated by the Provost of the University and/or Vice President for Finance and Operations) and for the charging party may be called by request of either party and following the approval of the Committee. In all cases, the number of witnesses to appear on behalf of either party shall be left to the discretion of the Committee.
B. All witnesses shall swear or affirm the truthfulness of their testimony.
C. Witnesses testifying on behalf of either the charging party or University shall be permitted in the hearing room only while presenting their testimony.
O. Following the testimony of each witness, the members of the Committee may question the witness. Under the direction of the Chairperson, members of the Committee may secure additional testimony from either contending party or other resources and relate such testimony to the responses of the witness.
E. Administrators charged with discrimination have the right to be present during the entire formal hearing.

Vt. The Hearing

A. A hearing date and time shall be established following consultation with and at the convenience of all relevant parties. In alt instances, however, the Committee must convene within 10 days following the receipt of written notice of a specific charge(s) and schedule a hearing (if appropriate) for shortly thereafter.
B. All testimony before a Oiscrimination Review Committee must be heard by al least four of the members.
C. The Chairperson shall be responsible for entertaining the adoption of specific rules of procedures for the hearing from members of the Committee. Any rules or procedures shall be compatible with general principles and rules in this document, and their adoption shall be by the mutual consent of the charging party, the University, and members of the Committee. Those rules must be tinalized and edopted prior to the time of the actuet hearing
O. The Chairperson shall open the hearing by reiterating the procedures to be

(Continued on page four)

SEQUENCE OF STEPS TO BE TAKEN IN RESOLVING STUOENT ALLEGATIONS ANO OISCRIMINATION

LEVEL I
Initial contact by student

ADVISOR (Academic, EOP, Residence Hall Assistant, Coach, etc.) and/or DEPARTMENT HEAO is consulted by the student

LEVEL II
Referral Resources

A. ACAOEMIC AFFAIRS
—Asst./Assoc. Oeans
—AORI on Campuses or
—AORI on Campuses
B. AOMISSIONS
—Office of the Vice-President for Undergraduate Studies
C. ATHLETICS
—Office of the Oean of Health, Physical Education, and Recreation
O. STUOENT AFFAIRS
—Office of the Vice-President for Student Affairs

LEVEL III
Three-person ad hoc review committees — (one appointed by the chief administrative officer; one appointed by an appropriate student organization, and one appointed by the faculty organization or staff)

A. ACAOEMIC AFFAIRS (Specific to a College or Campus)
B. AOMISSIONS
C. ATHLETICS
O. STUOENT AFFAIRS

LEVEL IV
Five-person Oiscrimination Appeal Committee appointed by the Provost

1. Two students from four nominated by the Student Advisory Board
2. Two faculty from four nominated by the University Faculty Senate Committee on Committees
3. One administrator appointed by the Provost

LEVEL V
Provost

LEVEL VI
President

Interim procedures—

(Continued from page three)

followed and reading to the Committee the written notice of specific charges.

E. The Chairperson shall have responsibility for:

(1) ruling on questions of procedure, with the advice of legal counsel for the Committee, if desired;

(2) danying admissibility of testimony from unknown or unidentified witnesses;

(3) ruling on the admissibility of evidence, and the appropriateness of questions directed to either party;

(4) advising witnesses of the consequences of presenting false and misleading testimony; and

(5) essuring that all witnesses have been heard.

F. The University shall be provided an opportunity to respond to all charges.

G. Following the statement of charges and the response of the University, the Committee shall secure all relevant testimony reasonably possible by direct presentation and questioning witnesses. Neither party may directly question the other; all oral comments must be directed to the Cheirperson and Committee membership. Briefs and memorandums from either side may be submitted et eny time with copies provided to both parties.

VII. Findings

A. The Committee shall present its findings and conclusions to the Provost of the University in writing within 15 days of the date of the final hearing. Except in extraordinary circumstances, the entire hearing should be completed within 30 days.

B. Such report shall describe findings and conclusions, including any suggested redress to the complaining party, if appropriate.

C. Copies of the report of the Committee shall be made available to the charging party and to any individual administrator(s) charged with discrimination.

ADMINISTRATIVE OFFICIALS WITH WHOM STUDENT ALLEGATIONS OF DISCRIMINATION MAY BE DISCUSSED

I. ADMISSIONS — Mr. E. Dunhem, 117 Old Main, 865-0458.

II. ATHLETICS — R. J. Scannell, 276 Recreation Bldg., 865-2565.

III. STUDENT AFFAIRS — R. O. Murphy, 235 Boucke Bldg., 865-6318.

IV. ACADEMIC

College/Division

Agriculture — Jerome F. Pasto, 217 Ag. Admin., 865-7521.

Arts & Architecture — William J. McHale, 116 Arts Bldg., 865-9523.

Behrend College — Thomas G. Fox, Administration Bldg., 899-3101, Ext. 240.

Business Administration — William S. Decker, 110 Business Admin., 865-3475.

Capitol Campus — George Wolf, 200 Admin. Bldg., 787-1679.

Earth & Mineral Sciences — E. Willard Miller, 101 Mineral Sciences, 865-6335.

Education — A. Madison Brewer, 278 Chambers, 865-2523.

Engineering — Walter G Braun, 101 Hammond, 865-2151.

Health, Physical Education & Recreation — Karl G. Stoedefalke, 275 Recreation, 865-0407.

Human Development — Louise Gentry, 103 Human Development, 865-1424.

The Liberal Arts — W. LaMarr Kopp, 136 Sparks, 865-8312.

Medicine — Cheston M. Berlin, Jr., Hershey — Room C726, 534-8412.

Science — Eugene S. Lindstrom, 211 Whitmore, 863-0284.

Undergraduate Studies — John H. Wyckoff, 109 Grange, 865-7576.

Graduate School — Ernest H. Ludwig, 211B Kern, 865-1834

Commonwealth Campuses

Altentown — J. V. Cooney, Fogelsville School Bldg., 395-6851.

Altoone — J. G. Zubrod, 111 Smith Bldg., 944-4547.

Beaver — A. J. Meta, 119 Administretion Bldg., 775-8830.

Berks — A. W. Moberly, 136 Luerssen Bldg., 375-4211.

Delaware County — Stephen Cimbala, 311B Main Bldg., 565-3300, Ext. 51.

DuBois — Jacqueline Schoch, 22 Mension Bldg., 371-2800.

Fayette — Stephen M. Priselac, 105 Res. Instr. Off., 437-2801.

Hazleton — William E. Schnelder, Administration Bldg., 454-8731, Ext. 48.

McKeesport — Richard J. Thomas, 102C Classroom Bldg., 678-9501, Ext. 213.

Mont Alto — George N. Payette, Science Hall, 749-3111.

New Kensington — Robert D. Arbuckle, Administration Bldg., 339-7119.

Dgontz — Sanford F. Nicol, 119 Sutherland Bldg., 886-9400, Ext. 231.

Schuylkill — Anthony F. Land, 102 Administration Bldg., 385-4500, Ext. 28.

Shenango Valley — Wayne D. Lemmle, 203 Sharon Hall, 981-1640, Ext. 33.

Wilkes-Barre — G. W. Bierly, 204 Hayfield Bldg., 675-2171.

Worthington Scranton — Ralph L. Mastriani, 103 Administration-Classroom Bldg., 961-4771.

York — Oscar E. Fox, Main Bldg., 846-8828.

University Park Calendar

September 11-21, 1975

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, September 11 — Free U meeting for new course initiators, an introduction to teaching with Free U, 7 p.m., HUB lounge upstairs.

Thursday, September 11 — Commons Videotape showing, 12 noon, Kern lobby.

Thursday, September 11 — East Undergraduate Library Open House, 7 p.m., basement of Findlay.

Thursday, September 11 — Graduate student tours of Pattee Library at 9:35 and 11:10 a.m., 1 and 2:20 p.m., E105 Pattee.

Friday, September 12 — G.S.A.'s Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday, September 12 — Sports: Soccer, vs. Lock Haven State, 7 p.m., Jeffrey Field.

Saturday, September 13 — Sports. Football, vs. Stanford, 1:30 p.m.

Sunday, September 14 — Chapel Service, 11 a.m., Eisenhower Chapel. Preacher: Charles L. Cockelman, Program Director, Religious Affairs.

Sunday, September 14 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Elder John Loyd, Pastor, Fellowship Temple Church, Bridgeport, Conn.

Monday-Thursday, September 15-18 — Faculty orientation tours of Pattee Library at 9:30 a.m. and 2:15 p.m., E105 Pattee.

Tuesday, September 16 — Seminar on locating books in Pattee Library, 7 p.m., W110 Pattee.

Wednesday, September 17 — Leonard Feldman, cello recital, 8:30 p.m., Music Bldg. recital hall.

Wednesday, September 17 — Artists Series, Four Decades of American Film Festival, "Birth of a Nation," 8:30 p.m., University Auditorium.

Wednesday, September 17 — Noontime Concert, 12 noon, Kern lobby.

Thursday, September 18 — Commons Videotape showing, 12 noon, Kern lobby.

Thursday, September 18 — Seminar on locating periodicals in Pattee, 7 p.m., W110 Pattee.

Friday, September 19 — G.S.A.'s Commonsplace Coffeehouse, 8 p.m., Room 102 Kern

Friday, September 19 — Sports: Soccer, vs. Trenton State, 7 p.m., Jeffrey Field.

Friday-Saturday, September 19-20 — Artists Series, "1776" musical, 8:30 p.m., University Auditorium.

Saturday, September 20 — Campus Crusade for Christ Square Dance, 6:30 p.m., HUB ballroom.

Saturday, September 20 — PSOC Hiking Club, backpack on Susquehannock Trail.

Saturday-Sunday, September 20-21 — Sports, Golf, Lady Nittany Invitational.

Sunday, September 21 — Free U registration, 1-8 p.m., HUB ballroom.

Sunday, September 21 — Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Rustum Roy, Director, Materials Research Lab.

Sunday, September 21 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Elder Gerald G. Loyd, Pastor, Black Christian Fellowship.

Meetings

Tuesday, September 16 — College of Liberal Arts faculty, 3:45 p.m., Room 121 Sparks.

Wednesday, September 17 — Graduate Council, 2:30 p.m., Room 101 Kern.

Seminars

Thursday, September 11 — Agronomy, 8:15 a.m., Room 301A Ag. Administration. Alien Biltz on "Time as a Factor in the Genesis of Four Soils Developed in Recent Alluvium in Pennsylvania."

Thursday, September 11 — Engineering Acoustics, 4 p.m., Room 73 Willard. Michael J. Oslac on "The Active Control of Higher-Order Acoustics Modes in Cylindrical Ducts."

Thursday, September 11 — Computer Science, 4 p.m., Room 325 Whitmore, Claus P. Schnorr, Johann Wolfgang Goethe University, on "Some Lower Rounds and Completeness Results in Complexity Theory."

Thursday, September 11 — Chemistry, 12:45 p.m., Room 333 Whitmore. Roy A. Keller, SUNY, Fredonia, on "Plasma Chromatography."

Friday, September 12 — Electrical Engineering, 11 a.m., Room 329 Electrical Engineering East. Dr. Raymond Steele, Loughborough University, England, on "Delta Modulation Systems."

Monday-Tuesday, September 15-16 — Biochemistry, 11:10 a.m., Room 101 Althouse. Dr. George Lang, physics, on "Mossbauer Spectroscopy: What It Is and What It Measures" (Monday), and "Applications of Mossbauer Spectroscopy to the Study of Hemoglobin and Myoglobin" (Tuesday).

Tuesday, September 16 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. Angel Mainor on "Effect of Soil Aeration on Root Diseases."

Tuesday, September 16 — English, 8 p.m., Room 101 Kern. Deborah Austin on "A Room In the Interpreter's House: William Blake and John Bunyan's 'The Pilgrim's Progress.'"

Tuesday, September 16 — Comp Lit Luncheon, 12.15 p.m., Corner Room. Lois B. Hyslop, professor emerita of French, on "Baudelaire and Proudhon."

Tuesday, September 16 — Air Pollution Control, 2:20 p.m., Room 140 Fenske. Thomas A. Cuscino, Center for Air Environment Studies, on "Fugitive Dust from Vehicles Traveling on Unpaved Roads."

Thursday, September 18 — Agronomy, 8:15 a.m., Room 301 Ag. Administration. Fred Stocker on "Application of the ADAGE Computer Facility to Agricultural Research."

Thursday, September 18 — Physics, 3:50 p.m., Room 117 Osmond. Dr. F. Gursey, Yale University, on "Quark and Parton Models of Hadrons."

Lecture

Friday, September 19 — Sociology Lecture Series. Dr. Andrew Levison on "Worker Influence in Political and Economic Policy." 3 p.m., Room 112 Kern.

University Schedule

Thursday-Wednesday, September 11-17 — Drop-Adds sub-station, 1-4 p.m., HUB.

Wednesday, September 17 — Add deadline

Exhibits

Sackett Gallery: Systems, work by first year architecture students, through September 23.

HUB Gallery: New York City Post Card Show.

Funding opportunities

For procedural and funding source information, call 865-1372.

(105-6) The British Consulate General (2300 PSFS Bldg., 12 South 12th St., Philadelphia, Pa. 19107) announces applications for Marshall Scholarships for two years of study in Great Britain sterling in 1976. Applicant must be a U.S. citizen under 25 years of age. The following provides 58 pounds per month for 22 months plus e small allowance for books and travel to Europe. Fellow must enroll in a United Kingdom university. For further information, write to the address given above. Application deadline is Oct. 22, 1975. (Rot. FO 75-2000)

(105-1) The next proposal deadline for the **NSF Research on Productivity Measurement Systems for Administrative Services program** is Nov. 11, 1975. Subject areas include accounting and auditing services, budgal and management analysis; purchasing management, distribution, sales and marketing management, public information programs; personnal administration and training; inspection and quality control and computing and information services. Proposals may involve empirical surveys (stale of the art and case studies), new concept development, pilot testing of new methods and guidebooks preparation. Program contact is Richard Meson, Program Mgr., Div. of Advanced Productivity Research and Technology, Research Applications Directorate, NSF, 1800 G St N W, Washington, O.C. 20550 (202-634-6260). This information has been distributed. (Rel NSF75-14) (1560-6) (OFF deadlines) (172-7)

(106-2) University research for the solution of transportation problems is again being solicited by the U.S. Dept of Transportation. Closing date for proposals is Dec 1, 1975. Program objectives include creation of new concepts, techniques and knowledge, encouragement of the use of modern tools for analysis; stimulation of industrial, local, state and regional sponsorship of University research to develop a national transportation policy; and attraction of young talent into transportation careers. Thru program has four elements, major research, project research, Individual faculty member research and university-based seminars For additional information, contact Dr T O. Larson, Pa Transp. Institute, Research Bldg. 0 (865-1891). (Rel CBO 5/27/75).

(106-4) Ohice of Educalron has announced a Jan 9, 1976, closing date for **Follow-Through grants and contracts** in the categories of noncompeting continuation grants or contracts for programs end for research and demonstration and technical assistance grants or contracts. This information has been distributed (Rel. 49FR29018-19, 8/29/75) (CFDA 13.433)

(106-5) Office of Education announces a Nov. 17, 1975, application deadline date for its **health and nutrition program** including demonstration projects to improve school health and nutrition services for children from low-income families (Rel. 49FR29915, 8/29/75) (CFDA 13.529)

Staff vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the Unsolicited Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1357 (Nolwork Line 475-1387) Applications for those staff vacancies will be received until 5 p.m., Thursday, Sept 18. **Do not contact the area that has the vacancy**

RESEARCH AIDE, COLLEGE OF AGRICULTURE — University Park

Prepare tissue and other samples and conduct amino acid analyses. Operate and maintain amino acid analyzer. Make necessary adjustments in the biochemistry of sample preparation, preparation of buffer solutions, and in other operational procedures to achieve optimum resolution and accuracy of amino acid analyses. Supervise and train technicians and graduate students. Calculate results of experiments and summarize data. Operate calculator, perform basic statistical analyses. This information has been distributed (Rel. 49FR29018-19, 8/29/75) (CFDA 13.433)

ASSISTANT TO CONTRACT NEGOTIATOR AND COORDINATOR, VICE PRESIDENT FOR RESEARCH University Park

Directly responsible to the Contract Negotiator and Coordinator; assume primary responsibility of the central administrative level for the internal processing of proposals seeking sponsorship of research, instruction and continuing education projects and to supervise others in the office who have similar duties. This entails gaining and maintaining a thorough knowledge of the many requirements of various Federal agencies and of University policy and procedures in the area of proposals and related activities A secondary responsibility is to assist with the negotiation of grants and contracts. At a minimum, applicant should be a college graduate with accounting training with 3-5 years of related experience, preferably in the handling of proposals, contracts and grants.

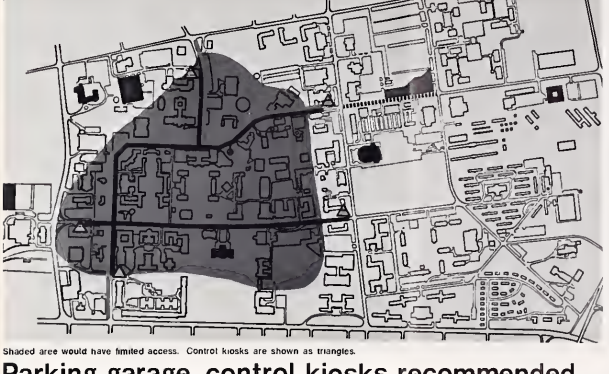
NUTRITIONAL CARE TECHNICIAN — Hershey

Responsible to the Patient Nutritional Care Coordinator and staff therapeutic dietitians for appraising, recording, and evaluating patient's nutritional status Assist the dietitians with gathering and recording patient food patterns Assist with patient group classes in nutrition. Patient instruction and work procedures are accomplished under the guidelines of the Medical Center. Development of teaching materials is done under the supervision and approval of Patient Nutritional Care Coordinator. Associate degree in Foods or Nutrition or one to two years directly related dietary experience.

PENN STATE intercom

Volume 5, Number 3 September 18, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule



Shaded area would have limited access. Control kiosks are shown as triangles.

Parking garage, control kiosks recommended

Recommendations made in a University Park traffic and transportation study for construction of a 550-car parking facility and for controlled access to central campus streets have been approved by the Trustees.

University officers will prepare a plan for financing the program, including the parking structure to be built in the J. Orvis Keller Bldg.-Nittany Lion Inn area, the kiosks needed to control access to restricted area streets and the overall parking plan for the campus.

The detailed plan was developed by Wilbur Smith and Associates, of Hartford, Conn., traffic consultants engaged by the Board early last year.

The controlled access plan would limit traffic on Curtin, Pollock, Burrowes, Allen and Fraser Roads to automobiles having business in the central campus area, the control to be effected by gate houses set up at peripheral points on roads entering the area. The gate house locations are given as Burrowes Rd., north of West College Ave., Pollock Rd., west of Burrowes Rd.; Allen Rd., near Park Ave.; Curtin Rd., west of Shortlidge Rd.; and Pollock Rd., also west of Shortlidge Rd.

Two-way traffic will be retained on campus streets, and bicycle routes are recommended on Burrowes, Curtin and Allen.

Kern offers the chance to 'do your thing'

How do you find e mission for a graduate commons on a campus with an already rich mix of artistic and cultural events?

Kern — which is probably the only exclusively graduate commons in the country — has managed to figure out a number of answers to this question, its latest being an Un-Common Diner-Theatre production of the play, "Butterflies Are Free," scheduled to follow e roast beef repast on Saturday and Sunday, Sept. 27 and 28.

Faculty and graduate students who have always hed a secret yen to try their wings in the theatre will get a chance to face e live audience and see how they fare. They will perform in a setting which weekly pleys host to local solo and ensemble musicians, es well as to painters, jewelers, sculptors and ceramics enthusiasts.

Commons' manager Willam Johnston and his assistant, John McCeuley, are the men responsible for allowing academics a fittle Walter Mitty fulfillment outside of the classroom and lab.

They have turned the dividers in Kern's lobby into an art gallery, which presents about 60 shows a year, about half of them cuffed from the work of Penn State graduate students. This program hes now etfracted the interest of artists from around the country, so Kern officials are able to pick and choose their shows.

In return for hanging an exhibit, the commons' management esks either e smetf commission from seles or the donation of a piece of work by the artist. Result: a permanent collection now numbering more than 20 pieces on display in Room 101 and Study Lounge 114.

A Wednesday series of concerts at noon features individual musicians es well as smatt groups from the music and music education departments. A rather different format is available for persons interested in appearing at one of Kern's Friday night coffeehouses, sponsored by the Graduate Student Association. There is no admissions charge and performers receive no fee, but the freedom to do one's thing without commercial restrictions assures a steady flow of performers.

Un-Common Dinner Theatre
Saturday and Sunday, Sept. 27 and 28
Steamship round of beef dinner with salad bar, 6:30 p.m., Room 102 Kern
"Butterflies Are Free," 8 p.m., Room 112 Kern
Tickets at Kern Information Desk
Reservations: 865-1878 or 865-1879

For those who prefer to sit in the audience, Kern has developed e Wednesday night film series. Ouring fall term, it will feature the works of four American directors: Arthur Penn, Robert Altmen, Frank Perry and Sam Peckinpah. Thursday noons, videotape showings of WPSX programs of general interest are screened.

Another fall term feature will be a repeat of last year's Halloween party, which drew some 1,200 youngsters.

"We wanted to try to do something for the kids of graduate students because their parents usually don't have too much money to spend on parties," Johnston says of the coming Oct. 20 event — which will also welcome children of faculty members.

And, of course, the Commons continually houses various lecture series and colloquiums, along with Senate and Graduate Council meetings.

"We have no interest in whether or not an event is sure-draw at the box office," Johnston points out "It's part of our function to take a chance."

Faculty and graduate students who might like to perform or exhibit at Kern can contact Johnston and McCauley at 865-1878, or Timothy Fitzgerald, GSA program director, at 865-9061.

York to raise funds

A fund-raising campaign at the York Campus for construction of a student center building there has been authorized by the Trustees. The campaign, with e goal of $750,000 will begin later this month under the direction of the York Campus Advisory Board. The proposed center is not designed to increase enrollment, but is to relieve e serious space need for commuting students, both day and evening. The Trustees also approved final plans for a 45-car student parking aree at York.

Fund request to State up 15.58 percent

Penn State will request a State appropriation of $118,711,000 for the 1976-77 fiscal year.

The amount, which is $16,003,000 or 15.58 per cent more than the $102,708,000 appropriation received for the current year, was approved last week by the Trustees, along with a capital program request for $19,102,000.

The annual appropriation request to be submitted later this month includes $3,690,000 for medical education programs in the College of Medicine.

In discussing the proposed general budget on which the appropriation request is based, President Oswald said that no increase in tuition rates is proposed.

Or. Oswald also emphasized that stabilized admission levels for new freshmen will continue along with the program to provide opportunities for transfer of advanced standing students from community colleges and other institutions. An enrollment rise of 1,000 students is anticipated next year.

An increase in appropriated funds for student aid will be sought to offset partial erosion of University funds supporting student aid as tuition has increased. This fine item has not been increased since 1973-74.

"Continued inflation, both in provision for salary increases to maintain current purchasing power for employees and in partial provision for increased costs of supplies and services and fuel and utilities require strong emphasis in the proposed budget," Dr. Oswald said.

He cited the need for strong efforts to increase the per capita amount for medical education, from the present level of $7,465 to $10,000. In spite of rapid inflation, this amount has not changed for several years.

New or expanded programs will be provided through reallocation of existing resources, to the extent that this is possible, Or. Oswald commented.

In determining the $118,711,000 request,

(Continued on page 4)

Food symposium offers overview

A symposium designed to provide members of the Penn State community with an overview of the world food crisis will be held Tuesday and Wednesday, Sept. 30 and Oct. 1, in the auditorium of the Kern Graduate Bldg.

The symposium, "Food end Your Future," is open to the public, free of charge.

A highlight of the conference will be the keynote address by Ralph W. Richardson, director of natural and environmental sciance with the Rockefeller Foundation, at 9:30 a.m. on Tuesday. The keynote address will be preceded by opening remarks from Provost Russell E. Larson.

The program is divided into six themes: Tuesday morning, "Food for Thought;" Tuesday afternoon, "Food end Your Environment;" Tuesday evening, "Food end Energy;" Wednesday morning, "Food end Your Income;" Wednesday afternoon, "Food end Your Health;" and Wednesday

(Continued on page 4)

PENN STATE COLLECTION

Senate approves rewritten academic rules for students

The University Faculty Senate has adopted a rewritten and codified set of academic rules for students.

Approval of the rules, which contained only minor substantive changes, came after lengthy debate at the Sept. 9 Senate meeting.

According to Thomas E. Daubert, chairman of the Special Committee on Student Rules which developed the new rules, most of the substantive changes are to delete obsolete or ignored rules and to eliminate contredictions.

The new "Policies and Procedures for Undergraduate Students" is to be implemented "as soon as administratively feasible" by the Provost of the University.

The Senate amended the committee report that provided that one substantive change — provision for adding a course after the first ten days of a term — be considered as a separate item.

Also approved were two committee recommendations which provide that problems in interpretation or conflict between policies in the new document be reviewed by a special Senate committee for action at the March meeting and that items to be dealt with separately be referred to appropriate standing committees and submitted to the Senate for action in the winter term.

President Oswald told the Senate that no change is contemplated in University security policy concerning the carrying of firearms.

In outlining efforts of the University to upgrade, professionalize and develop as highly trained a security force as is possible, Dr. Oswald said:

"I contemplate no change in our policies this year. I certainly hope that one is never necessary, but if situations develop that might seem to warrant serious attention to it, I want to have the facts at hand."

Dr. Oswald said any change in policy would be made only after "consultation with appropriate groups from appropriate parts of the University community."

In forensic session, Senator Harald Schraer recommended appointment of a Senate committee to make the Senate's feeling on the issue known to the University administration.

In other action the Senate,

—Approved a recommendation requesting that the University President, through the office of the Provost, provide continuing support to implement academic research needs identified by a special committee as areas of inadequate support.

—Returned to committee proposed recommendations on transfer policies from one major to another within the University.

Food symposium

(Continued from page 1)

evening, "Food and Your Ethical Values."

Among the special topics to be discussed are "Food and National Priorities," "Limits to Land Use — Climatic, Physical and People," "Food Production without Chemicals," "Needed: A National Food Policy," "Relationships of Energy and Food Production," "Unconventional Food Retailing on Alternative Life Style Supermarket," "The Protein Controversy and Your Health," and "Ethical Implications of Food and Its Uses."

Dr. Larson will head the "Food for Thought" session. Other leaders will be: Dr. Robert W. Hiatt, assistant professor of biology; Mr. Richardson; Dr. John W. Malone Jr., head of the Department of Agricultural Economics and Rural Sociology; Dr. Barbara Underwood, associate professor of biological health; and Charles L. Coleman, program director in the Office of Religious Affairs.

Co-chairmen of the symposium are Dr. Milford Heddleson, coordinator for environmental quality affairs in the College of Agriculture, and Charles R. Meck, assistant director for continuing education at the University.

Arts roundup

(Continued from page 3)

Trio to perform

Two works by American composers and Brahms' "Trio in C Major" will be performed in concert by the Thalia Trio at 8:30 p.m. Wednesday, Sept. 24, in the Music Bldg. recital hall. Trio members Joenne Zagst, violin, and Leonard Feldmen, cello, both associate professors of music, and Robert Baisley, professor and head of the music department, pianist, will open the program with Aaron Copland's "Vitsbck." Fottowing will be "Trio in A Major" by early 20th century composer Charles Wakefield Cadman, e work known as the Pegasus Trio. Written about 1910, it is from the same era that produced the currently popular Joplin ragtime. Not available in published form, the music is from the Cadman Collection at the University. Also this month, the Thalle Trio will perform in Reading's community music series and in a music scholarship benefit concert at the Altoona Campus. In November, the group will appear at the American Music Festival in Shippensburg, Pa.

Series tickets available

A few good seats are still available for the Artists Series Music Series, but sales will end Sept. 23. The Fine Arts Series also has some good seats left, and they will be sold as e series until Oct. 15. Any tickets left for Leontyne Price will be sold starting Wednesday, Sept. 24, at the box offices at the HUB and University Auditorium.

Staff vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1307 (Network Line 475-1307). Applications for these staff vacancies will be received until 5 p.m., Thursday, Sept. 25. **Do not contact the area that has the vacancy.**

EDUCATIONAL PROGRAMMER, COLLEGE OF EDUCATION — University Park

Analyze and define systems requirements to develop educational programs for electronic data equipment and wrilte computer programs. Bachelor's degree or equivalent), preferably in education, and at least six months' programming experience.

PROGRAM REPRESENTATIVE/VAN MANAGER, COLLEGE OF EDUCATION — University Park

Visit sponsoring Institutions in advance of mobile training van to insure site preparation is completed. Represent the CAI Lab in the field to provide information to local media and meet with sponsoring institutions to explain programs and monitor student course progression. Relocation approximately every six to eight weeks. Bachelor's degree in education, business administration, psychology or equivalent plus one to two years' experience in a supervisory or management position.

JUNIOR COPY EDITOR, UNIVERSITY PRESS — University Park

Responsible for editing book manuscripts in accordance with standard usage, press style and special requirements. Responsible for checking copyright permissions and for liaison with production, design and advertising personnel. Bachelor's degree or equivalent, plus one to two years of experience in editorial practices.

ADMISSIONS COUNSELOR — SPECIAL PROJECTS — Capitol Campus

TEMPORARY — ONE-YEAR APPOINTMENT

Responsible to the Academic Services Officer of the Capitol Campus for various student recruiting functions, including admissions counseling of special student groups, meeting with minority organizations, etc. A baccalaureate degree or equivalent, plus two to three years of directly related experience, preferably in an academic environment.

PERSONNEL ASSISTANT — Hershey Medical Center

Responsible to the Personnel and Training Officer of the College of Medicine for selection and placement of employees, especially as applies to technical-service, clerical and staff nonexempt. Bachelor's degree or equivalent, preferably in business administration or personnel administration plus one to two years' related experience.

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The University annually receives grants for projects designed to fulfill specific research responsibilities. These are normally of fixed — and sometimes relatively short — duration. Since project administrators must often react quickly in selecting staff, it is desirable to have an available pool of faculty and staff members interested in applying for research steff positions.

Discipline backgrounds required vary depending on the project involved. They may include physics, engineering, agriculture, methematics or chemistry — although they are not limited to these areas.

Quelified applicants are invited to apply by calling the Employment Division, 865-1387 (network 475-1387). Names will be placed in e candidates' pool, end this announcement will be repeated el six-month intervels.

News in brief

Auction to be held

The University wilt sell at public auction a portion of the property known as the Dill tract. The property is situated in College Township on Old Houserville Road and consists of approximately 1 49 acres of land and has located on it a house, shed, garage and borrow pit. The auction will be held Wednesday, Sept. 24, at 6 p.m. at the sile of the property, and the auctioneer is Harry E. Leighttey. Anyone wishing to inspect the property should contact Leightley. The University retains the right to reject any end all bids.

Children's classes offered

Games and educational gymnastics classes for children ot University faculty, staft and townspeople wilt again be offered by the College of Heolth, Physical Education and Recreation in White Bldg. Classes will meet Thursday afternoons from 4 to 5 p.m., beginning Sept. 25 and continuing through Nov. 6. Children from kindergarten through fourth grade may attend. Registration will be the first day of the class in White Bldg.

Three buildings named

Names for three campus buildings have been approved by the Trustees. The former Agricultural Education Bldg. located east of Armsby, has been designated Art Education Craft Bldg. to reflect its present use. The new facility constructed west of the Air National Guard armory to provide facilities for printing, addressing and mail services and the offices of the Department of General Services, will be known as the Business Services Bldg. The Nuclear Accelerator Bldg. on Bigler Rd., south of the Breazeale Nuclear Reactor, has been named the Academic Projects Bldg., recognizing its use for temporary academic programs.

Gold Scouts organize

Faculty and graduate students interested in camping and scouling can share their experience with local scouting programs through the medium of Campus Gold Scouts. This group also serves as a vehicle for exchange of songs and ideas, and among this year's activities will be the creation of a songbook. Meetings are the first and third Sundays ot each month, and interested parties may contact Sandre Yerkes president ot the group, at 865-7205, or Elizabeth Hanley, assistant professor of health, physical education and recreation, at 865-7591.

Art courses set

Fall term art classes for children and teenagers will begin Saturday, Sept. 27. Eleven courses are offered, under the direction of Dr. Robert W. Ott, assistant professor of art education, and a teaching staff of 25 art education majors.

Two courses, Arts and Crafts and Drawing and Painting, are offered for children aged 6 and 7. The intermediates, aged 8 to 12, have Sculpture, Drawing and Painting and Arts in Action. Teenagers may take workshops in Pottery, Sculpture, Printmaking, Jewelry, Fibers and Weaving, and Painting. Registration may be made Monday through Friday from 1 to 5 p.m. by telephoning Holly Ping, 865-5601. Enrollments are limited.

Funding opportunities

For procedural and funding source information, call 865-1372.

(157-1) The Pennsylvania Science and Engineering Foundation is authorized to promote, stimulate and encourage basic and applied research and development as well as scientific and technological education which may reasonably be expected to advance the Commonwealth's economic growth. Current areas of interest include, environmental problems, building and materials technology, biomedical technology, computer science, nuclear engineering, transportation, mineral resources technology and technology assessment. PSEF grants are "seed funds," additional funding sources must be indicated. Contact Robert D. Laughlin, Executive Director, PSEF, Department of Commerce, Room 400 South Office Bldg., Harrisburg, Pa 17120 (717-787-4147) (7-447-4147)

(157-2) The Office of Education has announced a Nov. 17, 1975, closing date for applications for its **College Library Resources Program.** (Pet 40-76-0076, 9/2/75) (CFDA 13.408)

(157-3) Teacher Training Grants under the Office of Education **Bureau of Education for the Handicapped** have an Oct. 22, 1975, closing date. (Pet 40-76-0056-60, 9/2/75) (CFDA 13.451)

(157-4) The **NSF Faculty Research Participation program** provides opportunities in 10-week summer industrial research activities. Eligible faculty must be full-time, have advanced degrees in science, mathematics or engineering; and have hold the rank of assistant professor or higher for four years. Contact Faculty Research Participation Program, Div. of Higher Education in Science, NSF, Washington, D.C. 20550 (202-282-7760).

Fund request

(Continued from page 1)

revenue increases of $1,074,000 from a proposed enrollment increase and $261,000 in recovery of indirect costs were considered.

Expensive changes anticipated include $18,214,000 for inflationary increases, including salaries, mandated staff benefits, fuel and utilithes, and supplies and services cost increases. The workload cost increase for accommodating increased enrollment anticipated is listed at $590,000, the increased amount for student aid et $220,000, and $223,000 is indicated for new facilities.

The capital program request of $19,102,000 includes 17,663,000 for construction projects and $1,419,000 for original equipment for General State Authority-financed projects.

The proposed new projects for 1976-77 include an academic complex and support system at Behrend College, Erie, $7,019,000; multi-purpose buildings at Feyette and Mont Alto, $2,683,000 for each, and at Berks, $2,934,000; and safety, environmental control and fuel utilization improvements at University Park, $2,364,000.

The capital program has four major objectives for the five-year period, 1976-77 to 1980-81.

1. Bringing the Commonwealth Campuses up to a basic cadre of buildings to provide the necessary facilities for educational program needs; 2. In the latter years of the program, provition is made for construction of additional clinical facilities at Hershey to accommodate entering classes of 128 medicat students; 3. At University Park, Initial emphasis is placed on utility changes to improve safety, environmental control and energy utilization; end 4. In leter years, the plen calls for construction of needed research facilorium.

Faculty notes

(Continued from page 2)

Dr. Sidney Cohn, formerly associate professor in the Department of City and Regional Planning at the University of North Carolina, has been appointed as director of the Division of Man-Environment Relations. He replaces Raymond Studer, professor of environmental design, who has returned to full-time teaching and research. Dr. Cohn received a bachelor of architecture and a master of urban planning from the University of Washington, Seattle. In 1968, he earned his Ph D. in city and regional planning at North Carolina. A member of Tau Sigma Delta Architectural Honor Society, Dr. Cohn received an AIP Outstanding Student Award, a Fulbright Fellowship for Germany, an A. W. Brunner Research Fellowship and a NSF Fellowship and was a Louie Lasker Fellow.

He has practiced as an architect, has served as a consultant to a number of city planning and government agencies and has published extensively in professional journals.

Dr. Ned C. Deihl, professor of music education, has been named acting director of the Blue Band, following the death of Dr. James W. Duntop, band director for the past 28 years. As associate director of the Blue Band since 1963, Dr. Delhi worked closely with Dr. Dunlop. He will serve as acting director until a permanent successor has been named as the result of an open, competitive national search for a director.

Dr. Robert W. Carrubba, professor of classics, is the recipient of a grant-in-aid from the American Council of Learned Societies. He is one of 94 scholars from 70 academic institutions awerded grants for research in the humenities and related social sciences in national competition.

PENN STATE intercom

Volume 5, Number 4 September 25, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Faculty notes

Dr. Joseph L. French, head of the department of special education, has been named president-elect of the Division of School Psychology of the American Psychological Association. He will assume the presidency at the national convention of the association next September. Dr. French, who is professor of special education and educational psychology, is in charge of the intercollege program in school psychology. He is currently president of the Pennsylvania Psychological Association and a member of the State Advisory Committee for Special Education.

Dr. John P. Hagan, professor emeritus of astronomy, has been elected chairman of the International Commission on Frequency Allocations for Radio Astronomy and Space Science of the International Council of Scientific Unions.

The commission coordinates the need for radio frequencies and represents the scientific community in proposing the allocations of their frequencies by the International Telecommunication Union (ITU). The commission is currently preparing for the World Administrative Radio Conference in 1979 when the entire frequency spectrum will be reviewed by the ITU.

A member of the commission since its founding in 1960, Dr. Hagan has served with delegates from the U.S., the Federal Republic of Germany, England, France, Italy, and the U.S.S.R. The commission will hold its next meeting in Paris, France, on Oct. 10.

One of the world's leading solar radio astronomers, Dr. Hagan joined the Penn State faculty in 1962 and retired last summer. He is also chairman of the sub-committee on Space Science of the National Academy of Sciences' Committee on Radio Frequencies and a member of the Frequency Management Advisory Committee of the Office of Telecommunication Policy in the Executive Office of the President

VADD insurance may be changed

Since 1964, the University has offered a voluntary plan of accidental death and dismemberment insurance to all regular faculty and staff members. The plan provides optional amounts of insurance ranging from $10,000 to $150,000 and also provides accidental death and dismemberment coverage for dependents.

The month of October is the period when membership in this plan may be changed. One or more of the following actions may be taken during the month: (1) change the dollar amount of insurance coverage; (2) change from individual coverage to family coverage or vice-versa; (3) enroll in the plan as a new member; (4) withdraw from the plan.

To accomplish any of the above changes, obtain and complete a new VADD enrollment card from your dean or administrative office and send it to the Employee Benefits Division, 133 Willard Bldg., by Oct. 31. All changes received by that date become effective Nov. 1.

If you should wish to check your present coverage, examine the section of your paycheck stub marked "VADD." The deductions will indicate the amount of coverage you have.

Coverage	Monthly Deduction	Biweekly Deduction
$ 10,000	$ .50 single $ .70 family	$ .23 single $ .32 family
$ 25,000	$ 1.25 single $ 1.75 family	$ .57 single $ .80 family
$ 50,000	$ 2.50 single $ 3.50 family	$1.15 single $1.61 family
$100,000	$ 5.00 single $ 7.00 family	$2.30 single $3.23 family
$150,000	$ 7.50 single $10.50 family	$3.46 single $4.89 family

If you are unable to check in this manner, information about your coverage may be obtained from the Employee Benefits Division.

No action is needed to continue your current coverage without change.

News in brief

Faculty Club to meet

The third annual meeting of the Penn State Faculty Club will be held Wednesday, Oct. 1, at 8 p.m., in 101 Kern Building. Reports on the past year's activities will be presented by the officers and committee chairmen. Reports will also be given on current activities and plans, including interior furnishings and occupancy of the new club building, fees deposits, dues for 1975-76, and a major membership drive.

Heat on by Oct. 1

The turning on of heat systems in residence halls and other housing and food services buildings was begun Friday, Sept. 19. At the same time, the shutting down of air conditioning systems throughout the campus was also begun. Following residence halls, the heat will be turned on in classroom buildings, and then in administrative buildings. It is estimated that heat systems throughout campus will all be turned on by Oct. 1. During the winter, temperatures will be kept at about 68 degrees, and regulations prohibiting portable electric heaters in University buildings will be strictly enforced.

HUB Candlelight Dinner

There will be a Homecoming Candlelight Dinner Thursday, Oct. 2, at the new HUB Terrace Room from 5 to 7:15 p.m. The menu will feature prime ribs of beef, veal cordon bleu, roast turkey with cornbread dressing, flounder stuffed with crabmeat, ham kabobs with pineapple sauce and the usual variety of salads and desserts. A hospitality table will be set up, and Phi Mu Alpha music fraternity will provide entertainment.

Any volunteers?

The Penn State Sport Parachute Club is looking for a faculty advisor. He or she will not have to jump out of a plane! Contact Jeffrey Fegley at 865-3654.

Alard concert

The last quartet written by Russian composer Dmitri Shostakovich before his death last month will receive its American premiere in a concert by the Alard String Quartet at 8:30 p.m., Wednesday, Oct. 1, in the Music Bldg. recital hall. The Shostakovich "Quartet #14" is the second of his works for string quartet to be introduced in this country by the Alard Quartet. Also on the program are Haydn's "Quartet in C Major;" Schubert's "Quartet in D Major," subtitled "Death and the Maiden;" and "Adagio for the String Quartet" by Barber. The latter work is the first of a series of American works to be included in concert in the Bicentennial year by the quartet. Quartet members are associate professors Joanne Zagst and Donald Hopkins, violins; Raymond Page, viola; and Leonard Feldman, cello. The Quartet will perform Oct. 20 in Cleveland, and a spring tour of southern cities is planned, along with concerts in Antioch and Toledo.

Institute visitors

James Chace, managing editor of "Foreign Affairs," and Arthur Mizener, of Cornell University, will visit University Park the week of Sept. 29 as guests of the Institute for the Arts and Humanistic Studies. Chace is the author of "A World Elsewhere: The New American Foreign Policy." He will be on campus visiting classes and conferring with faculty and students from Sept. 29 to Oct. 1. Professor Mizener, whose visit will last from Sept. 29 to Oct. 3, will deliver two public talks: "The Biographer as Private Eye," Tuesday, Sept. 30, at 12:15 p.m. in the State College Hotel to the Comparative Literature luncheon; and "Faulkner's 'House of Atreus'" at 8 p.m. in Kern Bldg. to the English Colloquium. He is the author of "The Fer Side of Paradise" and "The Saddest Story," biographies of F. Scott Fitzgerald and Ford Madox Ford, respectively.

Exam Services' new system ends need for no. 6 cards there

Thanks to new equipment just installed by Examination Services, faculty now have one less hassle — they no longer need bring their #6 class cards along to Mitchell Bldg. when they hand in their first test for scoring.

The equipment also requires a different answer sheet from the one faculty have been used to, according to Dr. David W. Stickell, director of Examination Services and research associate in educational psychology.

"Most instructors will use Form H-1, which is half the size of the old C-1 and allows students to code their numbers," he explains. "Previously, they coded both their names and numbers.

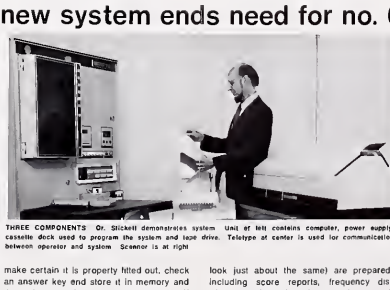
"Student numbers have already been stored on magnetic tape at the Computation Center. We have installed a remote typewriter terminal in Mitchell, connected to the center, and this makes it feasible to access the class cards without having them physically on hand."

The most significant new piece of hardware at Exam Services is a scanner with a built-in minicomputer which edits answer sheets (at the rate of one per second) before they are written on tape. The tape is self-checking, reading back each record it writes.

The system can check a control sheet to make certain it is properly filled out, check an answer key and store it in memory and then check each answer sheet to see if all necessary information is coded. If essential data such as the student number is missing, the scanner rejects the sheet. If the sheet is properly filled out, the system scores it, prints the score in the margin and transfers the data from the sheet to magnetic tape.

The magnetic tape is taken to the Comp Center where printouts (which will look just about the same) are prepared, including score reports, frequency distribution information, item analyses and, at the end of terms, summaries.

"Our visibility is based on machine scoring of tests," Dr. Stickell notes, "because it's the most tangible thing we do. We estimate that we provide this kind of service to about 15 percent of the faculty each year. But we also hope that they will take the time to study the item analyses which we provide.



THREE COMPONENTS Dr. Stickell demonstrates system. Unit at left contains computer, power supply, cassette deck used to program the system and tape drive. Teletype at center is used for communication between operator and system. Scannor is at right

"For most instructors, test construction is a very zealously guarded prerogative; however, there are probably very few perfect tests."

Exam Services' item analyses can be used in various ways. They are helpful, for example, in identifying ambiguous questions since they show how students in each grade category perform on each question in a test. If a number of "A" students choose a similar wrong answer, it could indicate that their choice is a defensible key. Again, instructors can gauge the difficulty — or easiness — of each question by consulting the figures which show how many students in the class answer each question correctly.

"Obviously no professor has to review the items on his or her test," Dr. Stickell says. "All we can do is hope that eventually they will look at them and really absorb the information they contain."

Exam Services does not have the personnel to make up tests for instructors, but they will, on request, critique a test.

Although the hardware has been changed in major ways, the procedures used to obtain service are still the same. Faculty should call 865-2503 near the beginning of each term to fill out a work request for test scoring and summarizing or call as early as possible for special projects.

PENN STATE COLLECTION

University Park Calendar

September 25–October 5

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, Sept. 25

FSHA 410 dinner, Mid-East, 5:30 p.m., Maple Room, Human Development. Reservations required, 865-7441.

Commons Videotape showing, 12 noon, Kern lobby.

Faculty Women's Club fall reception, 7 p.m., Room 101 Kern.

Friday, Sept. 26

Folk and Square Dance Roundup, 7:30 p.m., White.

GSA's Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

English Department Fall Commonwealth Campus Conference.

Saturday, Sept. 27

Sports: Cross Country, Lady Lion Fall Invitational, 12 p.m. Women's Golf, vs. Cortland, 9 a.m. Women's Field Hockey Intersectional.

Artists Series, Leontyne Price, soprano, 8:30 p.m., University Auditorium.

Un-Common Dinner Theatre, "Butterflies Are Free," Rooms 102 and 112 Kern. Dinner at 6:30 p.m., performance at 8 p.m.

English Department Fall Commonwealth Campus Conference.

Sunday, Sept. 28

Un-Common Dinner Theatre, "Butterflies Are Free," Room 102 and 112 Kern. Dinner at 6:30 p.m., performance at 8 p.m.

Daniel Kazez, cello recital, 3:30 p.m., Music Bldg. recital hall.

English Department annual fall term tea, 3-6 p.m., Fireside Room, Nittany Lion Inn.

Sports: Women's Field Hockey Intersectional.

Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Paul Rigby, director, Center for Research.

Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Rev. George Bailey, pastor, Baptist Church, Altoona.

Tuesday, Sept. 30

Food Symposium, "Food and Our Future," 9 a.m.-9 p.m., Room 112 Kern.

Sports: Soccer, vs. West Chester, 7 p.m., Jeffrey Field.

Gallery talk, Dr. Jeanne Chenault and Dr. Roland Fleischer, art history, on the Samuel H. Kress Memorial Collection, 10:30 a.m., Museum of Art.

Wednesday, Oct. 1

Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.

Food Symposium, "Food and Our Future," 9 a.m.-9 p.m., Room 112 Kern.

Noontime Concert, 12:15 p.m., Kern lobby.

FSHA 410 dinner, Ancient Rome, 5:30 p.m., Maple Room, Human Development. Reservations required, 865-7441.

Thursday, Oct. 2

Commons Videotape showing, 12 noon, Kern lobby.

FSHA 410 dinner, Renaissance Italy 5:30 p.m., Maple Room, Human Development. Reservations required, 865-7441.

Friday, Oct. 3

Sports: Women's Field Hockey, vs. Maryland, 3:30 p.m.

GSA's Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Colloquy program, 9:30 p.m., University Auditorium. Haywood Hale Broun, sportswriter and CBS news commentator.

Saturday, Oct. 4

Penn State Glee Club Homecoming Concert, 7:30 p.m., University Auditorium.

PSDC Hiking Club, backpack on Loyalsock Trail.

Sports: Soccer, vs. West Chester, 7 p.m. Men's Cross Country, vs. West Virginia. Fencing, varsity-alumni match, 8:30 a.m., Room 69 Rec Hall.

Sunday, Oct. 5

PSDC Hiking Club, backpack on Loyalsock Trail.

Chapel Service, 11 a.m., Music Bldg. recital hall. Rev. Philip Jones, D.D., pastor, The First Presbyterian Church, Milton.

Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Gerald G. Loyd, pastor, Black Christian Fellowship.

Seminars

Thursday, Sept. 25

Solid State Physics, 1 p.m., Room 339 Davey Dr. Laura Roth, SUNY, Albany, an informal seminar on ongoing work.

Physics, 3:50 p.m., Room 117 Osmond. Dr. Laura Roth, SUNY, Albany, on "Liquid Metals."

Chemistry 12:45 p.m., Room 333 Whitmore. R. G. Shulman, Bell Telephone Laboratories, on "X-ray Photo-Absorption of Iron Complexes in Proteins."

Agronomy, 8:15 a.m., Room 301A Ag. Admin. Paul Mueller on "Chemical Preservation of High-Moisture Hay" (Agronomy Ph D. thesis).

Monday, Sept. 29

Genetics, 3:55 p.m., Room 111 Tyson. Dr. Paul Todd, biochemistry and biophysics, on "Thoughts on How to Give a Seminar."

Tuesday, Sept. 30

Plant Pathology, 9:45 a.m., Room 213 Buckhout. Joseph Hill on "Herbicide-Plant Pathogen Interactions."

Air Pollution Control, 2:20 p.m., Room 140 Fenske. Allen Wiebe, Ministry of the Environment, Atmospheric Environment Service, Downsview, Ontario, on "Oxidation of Sulfur Dioxide in Smelter Plumes."

Comp Lit Luncheon, 12:15 p.m., State College Hotel. Arthur Mizener, author, on "The Biographer as Private Eye."

Inorganic Chemistry, 8 p.m., Room 333 Whitmore. Harry Allcock on "Planning a Research Project."

Analytical Chemistry, 12:45 p.m., Room 333 Whitmore. M. A Henry on "The Chemistry Department's 'Lab Box' System."

Thursday, Oct. 2

Physics, 3:50 p.m., Room 117 Osmond Dr. Norton Lang, IBM Watson Research Labs, N.Y. on "Electronic Properties of Metal Surfaces."

Agronomy, 8:15 a.m., Room 301B Ag Admin. Warren Busscher on "Simulation of Dal Root Growth, Their Water Uptake."

Chemistry, 12:45 p.m., Room 333 Whitmore. Michael M. Szwarc, SUNY, Syracuse, on "Electronic Transfer Reactions Initiated by Light."

Friday, Oct. 3

Solid State Physics, 11 a.m., Room 339 Davey Dr. Norton Lang, IBM Watson Research Labs, N.Y., on "Chemisorption on Metal Surfaces."

Meetings

Monday, Sept. 29

Panhellenic Council, 6:30 p.m., Schulze Hall (presidents only).

Education Student Council, 7 p.m., Room 109 Chambers.

Free U, 7:30 p.m. HUB ballroom.

Tuesday, Sept. 30

Senate Council, 2 p.m., Room 101 Kern.

GSA Council, 7 p.m., Room 102 Kern.

PSU faculty and student social workers, 7:30 p.m., Room 271 Willard.

College of Earth and Mineral Sciences faculty, 4 p.m., Room 26 Mineral Sciences.

Lecture

Thursday, Sept. 25

Carol Simon, owner and director of Public Relations Institute, on "Where Women Stand in Communications;" and Morton Simon, attorney, on "Communications Law and Advertising and the Intruding Finger of Government," 7:30 p.m., HUB Assembly Room. Sponsored by Women in Communications.

University Schedule

Thursday-Monday, Sept. 25-29

File for Pass-Fail.

Monday, Sept. 29

Drop deadline.

Course Repeat deadline.

Preregistration deadline.

Films

Monday, Sept. 29

France Cinema, "Shoot the Piano Player," 7 and 9 p.m., Room 112 Kern.

Wednesday, Oct. 1

GSA's Commonsplace Theatre, "McCabe and Mrs. Miller," 7:30 and 9:30 p.m., Room 112 Kern.

Saturday, Oct. 4

International Council film, 8 p.m., Room 112 Kern.

Exhibits

Museum of Art: Panel Paintings from the Samuel H. Kress Collection of the Allentown Art Museum. Drawings from the Permanent Collection, through Dec. 21.

HUB Gallery: New York City Post Card Show, through Sept. 26. Homecoming Exhibit (old photographs from Pattee, Rec Hall and La Vie).

Hammond Gallery: Laurel Howard and Susan Voytovich, graduate students in art, through Sept. 26. Kathy Curnow, graduate student in art, through Oct. 4.

Kern Gallery: Jim Scaltz, ceramics; Nancy Hazlett, pastels, charcoals, paintings; James Bruce Schwabach, paintings, through Sept. 30. Luci Vautar, watercolors, through Oct. 4. Jackie Batienfield, weavings, opening Oct. 3.

Cultural Center, Willard Bldg.: An exhibit of mixed media from "Natural Feelings," a group of Washington, D.C. artists, through Sept. 27. An exhibit of mixed media, the work of the New York Chapter of the National Conference of Artists, opening Oct. 1.

Paltee Library: Orientation to Pattee Library preserved by LSL, Main Lobby, through Sept. 29. Copper Sculpture by Curtis Clawson, opening Sept. 30, Main Lobby. Award-winning display of master plan for Porto Santo Island, Circulation Lobby. Birds-Eye Views: 19th Century Etchings of Pennsylvania Towns.

Chambers Gallery: Shirley Benrreuter, paintings and drawings. Becky Kosmal, weavings.

Zoller Gallery: Works by 20 art graduate students through Oct. 2.

Staff vacancies

University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (Network Line 475-1387). Applications for these staff vacancies will be received until 5 p.m., Thursday, Oct. 2, 1975.

ASSISTANT PROGRAM COORDINATOR, COLLEGE OF AGRICULTURE — University Park

Coordinate assigned programs, including conferences, workshops, seminars, etc., conducted at locations throughout Pennsylvania. Make arrangements for meeting rooms, travel arrangements, accommodations, meals, etc. for participants and lecturers at appropriate periods. Clear budgets through the Controller's Office and insure regulations as stipulated in grant are followed. Monitor expenditures in program budgets assigned; alert appropriate persons regarding disallowed or excessive expenditures. Present periodic budget reviews to Extension Family Affairs Section Chairman and staff. Bachelor's degree or equivalent, preferably in the field of social sciences, plus one to two years of directly related experience in coordination and/or administration of education programs. Position funded until June 30, 1977.

GOAL PLANNING PROJECT COORDINATOR — Hershey

Responsible to Associate Professor, Department of Behavioral Science, for organizing, directing and teacher in-training programs; participating and developing training materials, and developing and carrying out evaluation and research programs. Bachelor's degree or equivalent, plus three to four years' related experience.

PROGRAMMER — Capitol Campus

Responsible to the director, Computation Center, for the effective and efficient operation of the Capitol Campus computation center. Train and supervise computation center employees; assist faculty with program design, develop software and programs to produce reports, update records, make computations, etc.; coordinate Campus computer work with University Park locations, etc. Associate degree in computer science or equivalent, plus one to two years of directly related experience. Knowledge of engineering and business problem formulations and programming skills of various compiler languages essential.

18 appointments made to faculty

Dr. David A. Anderson as associate professor of civil engineering. B.S. and M.S. civil engineering, University of Connecticut; Ph.D., civil engineering, Purdue University. Formerly senior civil engineer with Corning Glass Works; assistant professor at West Virginia University.

Dr. David F. Kibler as associate professor of civil engineering B.S., engineering, Antioch College; M.S., civil/sanitary engineering, Penn State; Ph.D., hydrology, Colorado State University. Formerly senior engineer with Water Resources Engineers, Inc., Walnut Creek, Calif.; associate engineer, Kaiser Engineers, Oakland, Calif.

Dr. Ronald J. Webb as associate professor of management, Capitol Campus. B.A., Wheaton College; M.A. and Ph.D., management, University of Maryland. Formerly assistant professor at the Abadan Institute of Technology, Abadan, Iran; Instructor at the University of Maryland and the Industrial College of the Armed Forces, Washington, D.C.

Albert P. Bertoni as assistant professor of mining, Fayette Campus. B.S., industrial engineering; M.S., mining engineering, University of Pittsburgh. Formerly in mining engineering valuations with the Internal Revenue Service, Pittsburgh; mining-industrial engineer with U.S. Steel Corp., Uniontown, Pa., mining engineer with U.S. Geological Survey, Washington, D.C.

Ronald A. Chadderton as assistant professor of civil engineering B.S., civil engineering; M.S., civil/sanitary engineering, Bucknell University; completing work for the Ph.D. at Carnegie-Mellon University. Received Bucknell University and Alcoa Foundation Scholarships; prior to Ph.D. candidacy was cost engineer for Dravo Corp., Pittsburgh, and environmental engineer for the U.S Air Force, North Carolina

Dr. Michael M. Coleman as assistant professor of polymer science. B.S., Borough Polytechnic, London, England; M.S. and Ph.D., Case Western Reserve University. Formerly research chemist with E. I. DuPont de Nemours, Wilmington.

Dr. Mark W. Dirsmith as assistant professor of accounting and management. B.S., accounting, University of Illinois; M.S. and Ph.D., accounting and information systems, Northwestern University. Haskins & Sells Dissertation Grant. He is a licensed C.P.A., Illinois.

Dr. Charles E. Frank as assistant professor of mathematics, New Kensington Campus. Undergraduate at Valparaiso University, M.S., University of New Mexico; Ph.D., University of Virginia.

Dr. Stephen Jablonsky as assistant professor of accounting. B.S., M.S., Ph.D., University of Illinois.

Dr. Horace R. Thomas Jr. as assistant professor of civil engineering. B.S., architectural engineering, Virginia Polytechnic Institute; M.S., civil engineering, North Carolina State University; Ph.D., civil engineering, Vanderbilt University. Formerly instructor al Vanderbilt University; construction officer for the U.S. Army, Fort Hood, Texas; design engineer at Norfolk Naval Shipyard, Portsmouth, Va.

Dr. Marietta J. Tretter as assistant professor of management science. B.S., mathematics, University of Southern Colorado; M.S and Ph.D., quantitative educational psychology, University of Wisconsin. Formerly research associate, University of Wisconsin.

John Cosgrove as assistant professor of mining engineering and coordinator of the new two-year degree program in mining engineering technology at Altoona Campus. Received his undergraduate degree from Penn State and spent 30 years in private industry.

Donna M. Landers as instructor of physical education at Altoona Campus. B.S., SUNY at Brockport; M.S., University of Washington.

S. Jay MacMullan as instructor of electrical engineering. B.S., mechanical engineering, Penn State, M.S., electrical engineering, University of Pennsylvania; currently candidate for the Ph.D. For the last 13 years with Lewis A. Norling, North Wales, Pa., as senior scientist, senior development engineering specialist and product engineer,

George E. Obermeier as instructor of physical education at Altoona Campus. Graduate of Frostburg State College; currently doing graduate work at Penn State.

Stephanie A. Shields as instructor of psychology at Altoona Campus. B.S., University of Santa Clara; M.S., Penn State.

Ross T. Thomas as instructor of nuclear engineering al Altoona Campus. B.S., University of Virginia; M.S., Penn State.

Ellen J. Siegel as serials and catalog assistant librarian. B.A., sociology; M.S., library science, University of Pittsburgh.

PENN STATE
intercom
Volume 5, Number 5 October 2, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

President Oswald responds to PSUPA, rejecting proposals on PLRB petition and suggested bargaining unit at the University

On Thursday, Sept. 25, I received a letter from the Co-Chairpersons of the Pennsylvania State University Professional Association (PSUPA), which is an organization which seeks to unionize the faculty and professional staff of the University. The letter requests that the University join with PSUPA to petition the Pennsylvania Labor Relations Board to certify PSUPA as the exclusive bargaining agent for a portion of the faculty and professional staff of the University.

This proposed procedure would have the faculty and professional staff of our University forego the opportunity to vote on an issue of great importance to the future of Penn State. Enclosed with the PSUPA letter was a standard form supplied by the Labor Board which is titled "Joint Request for Certification." This document, which PSUPA asked me to sign, contains the following statement:

"That the employer has agreed to recognize the employe representative for collective bargaining purposes pursuant to Section 602(a) of the Public Employe Relations Act based on a determination that a majority of the employes in the proposed unit desire to be represented by the employe representative, which determination is based upon acknowledged interest in our organization."

If this document were signed, Penn State would be agreeing that PSUPA now represents a majority of the faculty and professional staff of the University. The Labor Board could then certify PSUPA as the exclusive bargaining agent of the faculty and professional staff. In effect, PSUPA, with this approach, is requesting that the faculty and professional staff of this University be unionized without a secret ballot election. Needless to say, I cannot consider such a proposal. Indeed, I have considerable doubt that PSUPA speaks for the majority of the faculty and professional staff.

PSUPA proposed a second approach should the University refuse joint certification. They asked the University to join them in seeking an election — but with a bargaining unit defined and structured solely by PSUPA. The University cannot agree to this. In this approach, PSUPA asked that the University President sign a document titled "Joint Election Request" that contains the following statement.

"That the unit deemed appropriate for purposes of collective bargaining is a subdivision of the employer unit comprised of the following classification of employes:

All regular professional employees employed by The Pennsylvania State University at University Park and nineteen (19) Branch Campuses (excluding Hershey Medical Center and the King of Prussia Graduate Center) including faculty, librarians, research associates, research assistants, department heads, department chairmen, directors, and other non-teaching professionals, but excluding the country agricultural and home economics agents and all supervisory and managerial employees in accordance with Act 195 — 4,200 employees who teach, conduct research, and perform other professional duties for the University."

To sign this document would constitute University agreement that the faculty and professional staff should be melded into one bargaining unit. It would constitute agreement that department heads and directors should be in the bargaining unit. It would constitute agreement to exclude faculty and professional staff of the College of Medicine, the King of Prussia Graduate Center, and the County Extension Agents from any participation in the vote. These are serious issues affecting the academic and the administrative organization and operations of the University as well as the welfare of the individuals involved. They should be resolved only after careful study and consideration and following procedures designed for that purpose.

The question of whether or not to unionize is for the faculty and professional staff of this University to decide. That decision should be based on knowledge and serious study. I again urge each member of the faculty and professional staff to become informed about the implications of these issues for the long-term welfare of the University.

News in brief

Senate appointments made

The following committee appointments have been made in the University Faculty Senate:

Committee on Faculty Rights and Responsibilities:

Dr. Raymond G. D. Ayoub, chairman; Dr. Ronald J. Harshbarger, vice chairman; and Dr. Robert J. Scannell, secretary.

Senate Advisory Committee for Developmental Year Program:

Dr. Robert M. Bernoll, Dr. Thomas E. Daubert, Dr. Wilma R. Ebbitt, Dr. Mary L. McCammon, Dr. Richard L. McCarl and Dr. Phillip E. Stebbins.

Foreign Studies Advisory Committee:

Dr. Letand L. Beik, Dr. Madison Brewer, Dr. Valdimir DeLissovoy, Elizabeth G. Ellis, Dr. Kent Forster, Dr. Robert H. McAlexander, Warren S. Smith and Dr. Leonard N. Zimmerman.

Joint Senate Administrative Committee on Insurance:

Dr. John J. Cahir, James Gaillivan, Dr. James D. Hammond, John V. Pezzoni and Dr. James C. Wambold.

Hort Show scheduled

"Pennsylvania Horticulture — Past, Present and Future" is the theme of the 62nd annual Horticulture Show, which will be set up at the Ice Pavilion from 10 a.m. to 8 p.m. on Saturday, Oct. 4, and from 10 a.m. to 4 p.m. on Sunday, Oct. 5. A futuristic plastic dome enclosing a Horticulture in the Future display will represent the kind of artificial environment that might one day be used in a lunar station or underground colony. Methods for growing plants in water and artificial soils will be demonstrated, while in another area, woodland and tropical settings have been designed to show the parks of the future. A project of the Horticulture Club, the show annually attracts thousands of visitors. This year they will again be able to purchase potted plants, pumpkins, apples and cider.

United Way drive on

The Centre County United Way Drive has announced a $257,000 goal this year to support its 26 member agencies. As the largest single employer in the County, the University's goal has been set at $80,000, according to University chairman Robert J. Scannell, dean of the College of Health, Physical Education and Recreation. All faculty and staff employees have received materials which will permit them either to make a direct payment or to choose a payroll deduction plan. In a letter to his fellow Penn Staters, Dean Scannell notes that Penn State ranks below Notre Dame, Ohio State and Nebraska in the percentage of employees contributing to the United Way. "Even a minimal donation would improve our standing in this humanitarian ranking of schools," he points out.

Photography course set

A Symposium on the History of Photography will be held on four consecutive Tuesdays, beginning Oct. 7, from 7 to 10 p.m. in Kelter Bldg. The pre-photography era will be the topic at the first session, along with the invention of photography in England and France and early photography in America. On the second Tuesday, participants will learn about the great 19th century masters, and the following week, photography in the Civil War and photography and literature will be discussed. The concluding session will investigate the influence of photography on painting and vice versa. The instructional staff includes Dr. Heinz Henisch, professor of the history of photography, Dennis Lowe, a professional dealer in early military Americana and photographic antiques; and Bridget Ann Henisch, who is currently preparing an anthology on the reactions of artists and the public to the invention of photography. Registration requests should be addressed to Continuing Education, 865-3443, by Friday, Oct. 3.

Public supports education

A Penn State researcher has come up with some new statistics which show that the public's opinion of education is actually pretty high.

"The negative public opinion of education in the United States has been seriously overestimated in the press and other media," concludes Dr. Frank Clemente, associate professor of sociology, who conducted a nation-wide survey on the people's confidence in American institutions.

"In our survey, we found education to have a very high position in regard to confidence," says Dr. Clemente. "In fact, of 12 institutions evaluated, education ranked second in terms of public confidence. Only medicine has a higher rating on confidence."

The following question was asked last spring to a representative sample of 1,484 adult residents of the United States: "As far as people running various institutions in the United States are concerned, would you say you have a great deal of confidence, only some confidence, or hardly any confidence in them?"

Regarding education, hall reported a great deal of confidence; 42 percent, only some; and 8 per cent, hardly any.

Some results for other institutions.

The Press — a great deal, 26 percent; only some, 56 percent; hardly any, 18 percent.

Congress — a great deal, 17 percent; only some, 53 percent; hardly any, 30 percent.

Business — a great deal, 32 percent; only some, 53 percent; hardly any, 15 percent.

99 medical students enroll

Ninety-nine new medical students began classes this fall in the College of Medicine at The Milton S. Hershey Medical Center.

This marks the ninth consecutive year that the college has enrolled a record size class. The first class in 1967 had 40 students, while last fall's had 91. Total enrollment for all four medical classes is also at a new high — 356, compared to 329 last year.

A profile of the new class shows that 30 percent of the students are Pennsylvania residents, with 54 percent from communities with populations under 20,000. Women compose 23 percent of the class. The students majored in approximately 21 major fields, with 13 percent in non-science areas such as Chinese, international relations, child study, anthropology, history English and psychology. There are 2,575 applications for the class, 62 percent of them from the Commonwealth.

The students have degrees from 53 different colleges and universities, but 60 percent are graduates of Pennsylvania institutions. Penn State supplied 11, the largest number from a single school, and the University of Pennsylvania followed with 10. All the other schools which provided three or more students were from Pennsylvania. They include Franklin & Marshall, 7; Allegheny, 5; Pittsburgh, 4; Dickinson, 4; and Juniata, 3.

AAUW to hold supper

The State College Branch of the American Association of University Women welcomes women graduates of accredited colleges and universities as members. The first general meeting of the group is Thursday, Oct. 9, at the State College Woman's Club, 902 S. Allen St. There will be a salad sampler supper — each member contributes a salad — at 6.30 p.m. and a meeting at 8 p.m. Inquiries may be made to the vice president for membership, Margaret Ingram, 237-1689.

Navy celebrates 200th

Penn State's Naval ROTC unit will celebrate the 200th anniversary of the founding of the United States Navy on Oct 13, 1775, with a no-host luncheon — a few days early — on Friday, Oct. 10, at 11.15 a.m. at the State College Hotel. All retired and reserve officers and enlisted men and all other friends of the Navy who would like to attend should contact Lt. John Wise at 865-6289 by Friday, Oct. 3, for reservations. The luncheon will cost $4 per person.

PENN STATE COLLECTION

Faculty notes

Dr. Maurice Shamma, professor of chemistry, will go to Pakistan Nov. 5 to Dec. 5 to search for medicinal plants under a grant from the National Science Foundation. A specialist in natural products chemistry, Dr. Shamma will try to find specimens confining chemicals called alkaloids, a large family of plant derivatives valued for centuries for their medicinal properties. His previous trips to Sri Lanka (Ceylon) and Mexico have yielded numerous exotic plant species including many that contained potential medicines. Recently Dr. Shamma and his research group isolated from a barberry shrub that grows in northern Pakistan one of the few new compounds from the alkaloid family to appear in recent years. They called the new alkaloids pakistanine and pakistanamine. Although their medical significance still remains to be demonstrated, the new compounds have similarities with at least one other alkaloid currently being tested for anti-cancer activity. Shamma says Southeast Asia is traditionally regarded as the richest source of alkaloid bearing plants, followed by South America and Africa. But the Penn State researcher has also investigated certain Pennsylvania plants, which, he says, are like those of Pakistan due to similarities in climate. Last year he extracted four potential anti-cancer drugs from the Commonwealth's giant meadow rue and called the new compounds, pennsylvanine, pennsylvanamine, pennsylpavine and pennsylpavoline.

Dr. Thomas Rogers, professor of English, is serving as a guest lecturer at the University of Iowa's Creative Writing Workshop during October and November. Dr. Rogers is the author of two novels, "The Pursuit of Happiness" and "The Confession of a Child of the Century."

Two computer scientists from the Soviet Union are visiting the University under the exchange program of the International Research and Exchange Board. Dr. **Virgilius V. Bulovas,** Department of Computer Science, Kaunas Polytechnic Institute, Lithuania, and **Dr. Oleg B. Arushanian,** a senior research staff member of the Scientific Research Computing Center of the (M. V. Lomonosov) Moscow State University are spending the academic year in joint research with members of the University's Department of Computer Science. Dr. Bulovas will work with **Dr. Edward G. Coffman Jr.**, professor of computer science, and Dr. Arushanian, with **Dr. Charlotte F. Fischer,** professor of computer science. A specialist in digital computers, Dr. Bulovas will investigate operating systems and scheduling problems during his stay. He is the author of several papers on computer topics published in Russian scholarly journals. Dr. Arushanian is deputy chief of the Laboratory of Numerical Analysis at Moscow State University. In 1974 he was awarded the Lomonosov Prize for the design of a multi-language automatic programming system, called the Program Generator.

Four prominent Penn State athletic personalities will be inducted into the Pennsylvania Sports Hall of Fame during the 13th annual Induction Ceremony and Awards Dinner on Nov. 15 in Camp Hill. They are gymnastic coach **Gene Wettstone** and former athletes **Rich Lucas,** Lenny Moore and Neil Stahley. Wettstone, a professor of physical education, is recognized as the nation's top gymnastics coach. During his 37-year career, the Lions have won 197 meets, lost 39 and tied one. His teams have been National Collegiate Athletic Association champions eight times, and he has twice served as head coach of the U.S. Olympic team. Lucas, an All-American quarterback and winner of the 1959 Maxwell Award, is the business manager for athletics here. Former running back Lenny Moore was recently inducted into the National Football League Hall of Fame after an outstanding career with the Baltimore Colts, for whom he is now director of promotions. Stahley was a member of the Penn State football, basketball and lacrosse squads from 1926 to 1930 and went on to become one of the nation's most prominent athletic administrators as well as a top football coach.

Dr. Joseph Jordan, professor of chemistry, has been appointed to a three-year term on the Evaluation Panel for the Physical Chemistry Division of the Institute for Materials Research, National Bureau of Standards. The panel is charged with the review and evaluation of the division's programs and plans. It will also consider the importance and relative priority of projects, quality of staff, equipment needs, finance and the relation of programs to the mission of the National Bureau of Standards. Dr. Jordan is currently on leave from the University in Paris, where he is participating in research and offering graduate courses at the University of Paris and the French National Science Foundation.

Dr. Jean E. Brenchley, assistant professor of microbiology, presented a seminar last month at the Microbiology Department of Indiana University, Bloomington, Ind., on "Regulation of Ammonia Assimilatory Enzymes in Aerobacter and Salmonella." A specialist in microbial genetics and physiology and modular biology, Dr. Brenchley joined the Penn State faculty in 1971.

Dr. George W. Franz, assistant professor of history at Delaware County Campus, has been named assistant editor of the Van Buren Project, a collection of the papers of the eighth president of the United States.

The appointment was made by Dr Kent Forster, professor and head of the department of history.

The project, with headquarters at the University's Ogontz Campus in Abington, is co-sponsored by Penn State and the National Historic Publication and Records Commission.

During the past six years, under the direction of **Dr. Walter Ferree,** professor emeritus of history at Ogontz, the project has located more than 12,000 separate documents related to Van Buren at more than 250 different places.

Upon completion, the project will be the only collection of the papers of Van Buren, who served from 1837 to 1841. The editors will produce a microfilm edition of the papers and an annotated letterpress edition. Ferree, editor of Van Buren's autobiography to be published by Penn State's Press. Dr. Franz expects to collect material to fill approximately 90 reels of microfilm.

Dr. Franz, who has been a faculty member at Delaware County since 1968, has an A.B. from Muhlenberg College and an M.A. and Ph.D. from Rutgers University. His field of specialization is American colonial and revolutionary history. He will assume the editorship of the project upon Professor Ferree's retirement on July 1, 1976.

Dr. Howard W. Thoele, assistant dean for administrative services of the College of Agriculture, has been promoted to associate dean for administrative services and associate professor of dairy science.

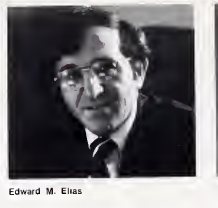
Dr. James M. Beattie, dean of the College of Agriculture, said Dr. Thoele's advancement recognizes his overall responsibilities for the fiscal and personnel affairs of the entire College.

Additional responsibilities of Dr. Thoele include liaison between the College and the Office of Physical Plant, the College safety program, farm operations, and management information services, including the statistical laboratory operation within the College.

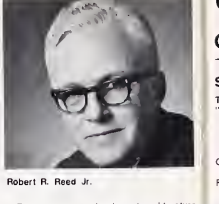
Dr. Ruth L. Pike presented an invited paper at the International Symposium on Hypertension in Pregnancy at the University of Chicago last month. Dr. Pike reported on the sodium requirement during pregnancy in the rat and the relationship between the sodium-regulating mechanism and blood pressure.

Dr. Kenneth W. Masters, professor of social sciences at Capitol Campus, has been appointed program head for the area. Dr. Masters has been a member of the faculty at Capitol Campus since 1967 and is the former director of the Bureau of Statistics in the Pennsylvania Department of Internal Affairs. He was a technical assistance adviser for the U.N. for two years in The Philippines and for four years in Nigeria.

Two reach 25-year mark at University



Edward M. Elias



Robert R. Reed Jr.

Edward M. Elias, director of the York Campus, has seen the campus grow from an unused elementary school to a 17-acre campus which houses three modern buildings and a soon-to-be completed million dollar classroom structure.

Elias in 1950 became the first full-time faculty member — and also the administrator — of what was then known as the York Center. The enrollment totaled 25 full-time students in the one-year technical program offered. Today, 748 full-time students are enrolled, along with more than 1,000 others in continuing education.

The one-year technical program has grown to include the first two years of 118 baccalaureate programs and eight career-oriented, associate degree programs.

A 1950 graduate of Lafayette College with a B.S. degree in electrical engineering, Elias received a M.A. degree in 1969 from the University of Maryland. He is a veteran of the U.S. Navy.

He is a member of the Institute of Electrical and Electronics Engineers, organizing and serving as chairman of the Susquehanna section, the American Society for Engineering Education; the Adult Education Association of the United States and the American Association for Higher Education.

He has served as a consultant to several universities regarding the initiation and development of college-level engineering technology programs.

Active in numerous civic projects, Elias has served as president of the United Way of York County, chairman of the York County Drug Abuse Council, and vice president of the York Area Chamber of Commerce.

Dr. John E. Tilton, professor of mineral economics, returned recently from Tokyo where he participated in a meeting of the Task Force on Access to Supplies of the Trilateral Commission as a representative from North America. The Trilateral Commission was formed in 1973 by private citizens of Western Europe, Japan, and North America to foster closer cooperation among these three regions on common problems. The task force met to discuss the final draft of a report dealing with the problems major importing nations are likely to encounter in acquiring minerals and other raw materials in the future. The report also considers measures that these nations and the international community might undertake to alleviate such problems.

New book reinterprets Manet

In a new book, Dr. George Mauner, professor of art history, offers a reinterpretation of the painter Manet, who stands at the beginning of modern art.

"Manet, Peintre-Philosophe: A Study of the Painter's Themes" has been published by Penn State's Press.

"Manet was a painter whose work over a period of more than two decades reveals an organic unity not immediately apparent when it is studied in discrete units of time, style or subject category . . . ," Dr. Mauner writes.

Long viewed as a pure painter for whom subject was a matter of indifference, Manet in recent years has awakened renewed interest among scholars for his choice of subjects and the meanings they may have held for him. Dr. Mauner's study is the first to reveal the presence of a philosophic meaning in Manet's oeuvre.

"Manet's paintings are usually grouped under standard headings such as portraits, still lifes and landscapes," Dr. Mauner explains. "I have tried to distinguish between this apparent subject matter and the underlying themes and have regrouped the pictures on the basis of the latter. As a result, a picture of the artist rather different from the familiar one emerges."

A member of the faculty since 1962, Dr. Mauner received his Ph.D. from Columbia University. He organized the Three Swiss Painters exhibit for the Museum of Art in 1973 and prepared the catalog for this show, which also travelled to the Munson-Williams-Proctor Institute in Utica, N.Y., to Harvard University and the Guggenheim Museum in New York City. He has also arranged shows on the Nabis, Vuillard and Aspects of Cubism for Penn State.

Dr. Mauner is currently on leave in Switzerland working on a major Nabis exhibit for the New York museum.

University Park Calendar

October 2–12

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, Oct. 2

"Service: Our Civic Rent," a convocation honoring Richard A. Benefield, recipient of 1975 Alumni Recognition Award, College of Human Development, 8 p.m., 5209 Henderson.

Commons Videotape showing, 12 noon, Kern lobby.

FSHA-410 dinner, Renaissance Italy, 5:30 p.m., Maple Room, Human Development. Reservations required, 865-7441

Friday, Oct. 3

"The Community, Our Laboratory," panel discussion with Richard A. Benefield and students. 1:30 p.m., Henderson Living Center.

Sports: Women's Field Hockey, vs. Maryland, 3:30 p.m.

GSA's Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Colloquy program, 9:30 p.m., University Auditorium. Haywood Hale Broun, sports-writer and CBS news commentator.

Saturday, Oct. 4

College of Human Development Alumni Coffee Hour, 9:15-11 a.m., Henderson Living Center.

PSOC Hiking Club, backpack on Loyalsock Trail.

Sports: Football, vs. Kentucky, 1:30 p.m., Beaver Stadium. Men's Cross Country, vs. West Virginia. Fencing, varsity-alumni match, 8:30 a.m., Room 69 Rec Hall.

Penn State Glee Club Homecoming Concert, 7:30 p.m., University Auditorium.

Alpha Kappa Alpha Sorority, social event, 10:30 p.m., HUB ballroom

Sunday, Oct. 5

PSOC Hiking Club, backpack on Loyalsock Trail.

Chapel Service, 11 a.m., Music Bldg. recital hall, Rev. Philip Jones, D.D., pastor, The First Presbyterian Church, Milton

Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Gerald G. Loyd, pastor, Black Christian Fellowship.

Tuesday, Oct. 7

Artists Series, Fellini Film Festival, "The White Sheik," 8:30 p.m., University Auditorium.

Wednesday, Oct. 8

Noontime Concert, 12:15 p.m., Kern lobby

FSHA-410 dinner, France, 5:30 p.m., Maple Room, Human Development. Reservations required, 865-7441.

Raymond Brown, bass-baritone recital, 8:30 p.m., Music Bldg. recital hall.

Thursday, Oct. 9

University Theatre, "Summer and Smoke," 8 p.m., Pavilion Theatre.

FSHA-410 dinner, Early England, 5:30 p.m., Maple Room, Human Development. Reservations required, 865-7441.

Friday, Oct. 10

Penn State Symphony Orchestra, 8.30 p.m., University Auditorium.

GSA's Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

University Theatre, "Summer and Smoke," 8 p.m., Pavilion Theatre.

Saturday, Oct. 11

Sports: Football, vs. West Virginia, 1:30 p.m. Men's Cross Country, vs. Kent State.

University Theatre, "Summer and Smoke," 8 p.m., Pavilion Theatre.

Artists Series, Monteverdi Choir and Orchestra, Monteverdi "Vespers," 8:30 p.m., University Auditorium.

Sunday, Oct. 12

PSOC Hiking Club, Flaming Fall Foliage Hike, 9 a.m.

Chapel Service, 11 a.m., Eisenhower Chapel, Dr. Julian Casserly, Seabury-Western Theological Seminary, Evanston, Ill.

Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Rev. Charles L. Coleman, Religious Affairs.

Seminars

Thursday, Oct. 2

Physics, 3:50 p.m., Room 117 Osmond. Dr. Norton Lang, IBM Watson Research Labs., N.Y., on "Electronic Properties of Metal Surfaces."

Agronomy, 8:15 a.m., Room 301B Ag. Admin. Warren Busscher on "Simulation of Oat Root Growth, Their Water Uptake."

Chemistry, 12:45 p.m., Room 333 Whitmore. Michael M. Szwarc, SUNY, Syracuse, on "Electronic Transfer Reactions Initiated by Light."

Computer Science, 4 p.m., Room 325 Whitmore. Altan Borodin, University of Toronto, on "Parallel Arithmetic Complexity and LBS Problem."

Meteorology, 4 p.m., Room 26 Mineral Sciences. Dr. Helmut Landsberg, University of Maryland, on "Urban Weather and Climate Modification."

Philosophy, 4 p.m., Room 151 Willard. Alfonso Gomez-Lobo, visiting associate professor of philosophy, on "Aristotle's First Philosophy and the Principles of Particular Disciplines."

Engineering Acoustics, 4 p.m., Room 73 Willard. Dr. P. Dammig, Federal Research Institute of Technical Physics, Braunschweig, Germany, on "Recent Activities of the PTB Acoustics Division, Braunschweig, Germany."

Friday, Oct. 3

Solid State Physics, 11 a.m., Room 339 Davey. Dr. Norton Lang, IBM Watson Research Labs., N.Y., on "Chemisorption on Metal Surfaces."

Monday, Oct. 6

Aerospace Engineering, 4 p.m., Room 216 Hammond. Dr. S. J. Kline, Stanford University, on "A New Algorithm for Computation of Fully-Separated Flows, Passage of Arbitrary Shape and Free-Streamline Flows."

Biochemistry, 11:10 a.m., Room 101 Althouse. Dr. Peter Jurs, chemistry, on "Biochemical Applications of Computers."

Genetics, 3:55 p.m., Room 111 Tyson. Dr. Dale Therrien, biology, on "Induction of Agomixis in the Plasmodial Slime Mold 'Didymium Iridis.'"

Tuesday, Oct. 7

Biochemistry, 11:10 a.m., Room 101 Althouse. Dr. Peter Jurs, chemistry, on "Modular Structure — Biological Activity Correlations."

Engineering Science and Mechanics, 4 p.m., Room 215 Hammond. Dr. Sigurd Wagner, Bell Telephone Labs., on "New Efficient Heterodiode Solar Cells."

Physics, 3:50 p.m., Room 117 Osmond. Dr. H. Gordon Berry, University of Chicago, on "Surface Interactions in Beam-Foil Spectroscopy."

Plant Pathology, 9.45 a.m., Room 213 Buckhout. David Lambert on "Predisposition by Nematodes to Soil-Borne Pathogens."

Analytical Chemistry, 12:45 p.m., Room 333 Whitmore. F. A. Serravallo on "Microwave Induced Plasma."

Inorganic Chemistry, 4 p.m., Room 333 Whitmore. Wolf Lehman on "Transistor Metal Hydride Complexes."

Comp Lit Luncheon, 12.15 p.m., State College Hotel. Jane Singh, education, on "A Cross-Cultural Comparison of Children's Literature in the United States"

Air Pollution Control, 2:20 p.m., Room 140 Fenske. Thomas E. Starkey, grad. asst. plant pathology and air pollution control, on "Influence of PAN on Vegetation."

Wednesday, Oct. 8

Fuel Science, 4 p.m., Room 301 Min. Ind. T. Patrick Gaganidze, Office of Technology Assessment, Washington, D.C., on "Fossil Fuels, Industry and the Public Good: A View from Just Beneath the Hill."

Energy-Bioenergetic, 3:55 p.m., Room 111 Life Sciences I. Dr. F. J. Remick, nuclear engineering, on "Fission: the Process, Equipment, Efficiency and Problems."

Thursday, Oct. 9

Microbiology, 3:55 p.m., Room S2 Frear. Dr. Roland Nardone, Catholic University of America, on "The Use of 'In Vitro' Systems for Toxicity Testing."

Anthropology, 3:30 p.m., Room 107 Social Science. Dr. Joseph W. Michels on "An Archaeological Survey of the Axum Kingdom, Ethiopia."

Physics, 3:50 p.m., Room 117 Osmond. John Tripp, University of Connecticut, on "de Haas-van Alphen Effect in Beryllium and its Alloys."

Agronomy, 8:15 a.m., Room 301 Ag. Admin. Dr. Roy Simonson, Soil Conservation Service, Washington, D.C., on "Soil Resources and World Food Production."

Chemistry, 12.45 p.m., Room 333 Whitmore. Richard S. Juvet, Arizona State University, on "New Concepts in Liquid Chromatography Detectors."

Meetings

Sunday, Oct. 5

Interlandia Folk Dance Club, 7:30 p.m., south gym, White.

Monday, Oct. 6

College of Health, Physical Education and Recreation faculty, 7 p.m., IM Bldg.

Panhellenic Council, 6:30 p.m., Shulze Hall.

Color Slide Club, 7:30 p.m., 112 Kern. Paul Edmonston, art education, on "Reflections on Photography as a Creative Art. Competition judged by Laurent Wright, geology.



Chinese acrobats

Tuesday, Oct. 7

GSA Council, 7 p.m., Room 101 Kern.

Engineering Undergraduate Council, 7:30 p.m., Room 207 Sackett.

Wednesday, Oct. 8

AWS, 7 p.m., Room 225 HUB.

Film

Wednesday, Oct. 8

GSA's Commonsplace Theatre, "Play It as It Lays," 7:20 and 9:30 p.m., Room 112 Kern.

Lecture

Wednesday, Oct. 8

Robert Venturi and his wife, Denise Scott Brown, architects and planners from Venturi and Rauch, a lecture on architecture, 7:30 p.m. in Room 108 Forum. Sponsored by Department of Architecture.

Exhibits

Museum of Art: Panel Paintings from the Samuel H. Kress Collection of the Allentown Art Museum. Drawings from the Permanent Collection.

Kern Gallery: Luce Vantar, watercolors, through Oct. 4. Jackie Battenfield, weavings, opening Oct. 3.

Cultural Center, Walnut Bldg.: An exhibit of mixed media, the work of the New York Chapter of the National Conference of Artists.

Paltee Library: Copper Sculpture by Curtis Clawson, Main Lobby. Award-winning display of Forte Santo Island Master Plan, Circulation Lobby, through Oct. 6. Prints by Mary Hamilton, opening Oct. 7, Circulation Lobby. Birds-Eye Views: 19th Century Etchings of Pennsylvania Towns, East Corridor. "100 Years of the Art Students League," Art Library Lobby.

Chambers Gallery: Shirley Bernreuter, paintings and drawings. Becky Kosmal, weavings.

Arts roundup

Choir, acrobats coming

The Monteverdi Choir and Orchestra of Hamburg will come to University Auditorium on Saturday, Oct. 11, and the Chinese Acrobats from the Republic of China will visit Recreation Hall on Wednesday, Oct. 15, both under the auspices of the Artists Series.

Tickets for these performances will go on sale Tuesday, Oct. 7, for patrons only. At this time, patrons may also buy tickets to any of the other events in the Music Series which are not sold out.

The following day, Oct. 8, tickets will be available to the general public. Both sales will be held at the HUB Booth and University Auditorium from 9 a.m. to 4 p.m.

The "Monteverdi Vespers" will be sung by a company of 100 with six soloists under the direction of Jurgen Jurgens. The choir and orchestra, which are affiliated with the University of Hamburg, have won several international prizes, including the Grand Prix du Disque.

The spectacular Chinese acrobats appeared last Sept. 9 on the Tonight show. The 65-member company includes both musicians and acrobats, and the dazzling feats of the latter represent a unique Chinese contribution to entertainment.

Brown to sing

Raymond Brown, bass-baritone, will perform a recital of vocal music at 8:30 p.m. Wednesday, Oct. 8, in the Music Bldg. recital hall.

Professor of music and director of choral music at the University, Brown will be accompanied by pianist Dr. Roslyn Glazerman when he sings Brahms' "Vier ernste Gesaenge," four songs from Biblical texts from Ecclesiastes, Corinthians I, and Ecclesiasticus in the Apocrypha. Also to be performed are Brahms' "Of Eternal Love" and "The May Nights" from opus 43 and songs from opus 105.

Five songs on the program will feature Brown and the Alard String Quartet, including pieces by Williams, Warlock and Mozart, and Barber's "Dover Beach." Joining quartet members Joanne Zagst and Donald Hopkins, violins, Raymond Page, viola, and Leonard Feldman, cello, and Brown in the performance of "Betrechte meine Seel" from the "Passion According to St. John" by Bach will be June Miller, harpsichord.

Opening Wednesday's recital will be a song by Schuetz for bass-baritone, organ, and four trombones, with Miller playing the organ and trombonists Dr. Warren George, Michael Powell, Kenneth Sloane, and Jack Miller.

Brown studied at the University of South Carolina and the Juilliard School of Music and received degrees from the Peabody Conservatory and Johns Hopkins University. He has performed in operas, oratorios, and recitals in some of the major cities of the East.

Theatre season opens

Tennessee Williams' "Summer and Smoke" opens the University Theatre's fall season Thursday, Oct. 9, in the Pavilion Theatre.

Other productions of the play are scheduled for Oct. 10 and 11, as well as Oct. 14 through 18. Curtain times are 8 p.m.

Directed by graduate student Christopher Barns, "Summer and Smoke" tells the sensitive love story of a puritanical Southern girl and a doctor whose divergent attitudes toward life ultimately keep them apart.

It will be followed by Bertolt Brecht's "The Caucasian Chalk Circle," a dramatic parable of justice and one oi the East German playwright's strongest works. Knox Fowler, professor of theatre arts, will direct the play, which opens Oct. 30.

The Playhouse Box Office is selling tickets for both of these dramas Mondays through Saturdays from 1 to 6 p.m. and from 1 to 9 p.m. on the days of a performance. Tickets for "Summer and Smoke" will also be available at the Pavilion Theatre Box Office at 7 p.m. on

(Continued on page 4)

Arts roundup

(Continued from page 3)

performance days. Tickets may be reserved by calling 865-1884.

Glee Club concert

The annual Homecoming Concert by the Penn State Glee Club, dedicated to the memory of the late Dr. James Dunlop, professor of music education and director of the Blue Band, will be heard at 7:30 p.m. Saturday, Oct. 4, in the University Auditorium.

The 76-voice choir, directed by Bruce Trinkley, associate professor of music, will sing works by American composers, including early hymns, several poems by Robert Frost set to music, folk songs and selections from the Pennsylvania Bicentennial Wagon Train Show, which was written and produced by the theatre and music departments at Penn State.

As is traditional, alumni and friends of the Glee Club will be invited to join the group on stage to sing Penn State fight songs and the Alma Mater to conclude the concert.

Carli exhibit at Capitol

Works by painter and sculptor Othmar Carli are on exhibit at the Capitol Campus through Friday, Oct. 10. An instructor in art at the York Academy of Arts, Carli is teaching a course in studio art technology at Capitol this term. He is a native of Austria and has done restoration and conservation work at museums in Europe and America. Later this year he is scheduled to restore works for the Corcoran Gallery in Washington, D.C., and the Whitney Museum in New York City. He has had a number of one-man shows in Pennsylvania and Maryland.

Venturi and Brown to speak

Robert Venturi and his wife, Denise Scott Brown, members of the firm of Venturi and Rauch, architects for Penn State's Faculty Club, will speak on architecture at a lecture Wednesday, Oct. 8, at 7:30 p.m. in Room 108 Forum Bldg. Their talk is sponsored by the Department of Architecture. An exhibit of the work of these two architects is on display through Oct. 26 at the Pearl House Gallery of the Pennsylvania Academy of the Fine Arts in Philadelphia.

Master plan displayed

A display of the physical master plan and program and ideas for the development of Porto Santo Island, which won an international award for five University faculty members, will be shown through Friday, Oct. 10, in the Circulation Lobby of Pattee.

The Penn State faculty members, one of just two American teams to place in the competition sponsored by the Portuguese Ministry of Public Works with the sanctioning of the International Union of Architects, were Wladyslaw Strumillo, associate professor of architecture; Daniel Jones, assistant professor of landscape architecture; and Dr. Eugene Bazan, assistant professor of environmental planning in the Department of Man-Environment Relations. The consultant for agriculture was Dr. Robert Cunningham, associate professor of soil genesis and morphology, and for technology, Dr. Luis Summers, associate professor of architectural engineering.

The plan included ecological and agricultural restoration, along with proposals to provide for tourism and to improve the standard of living for the native population of about 4,000.

Shown in the exhibit are preliminary studies and sketch diagrams, photographs of the island, which is located in the Madiera Archipelago in the Atlantic Ocean, the original program describing the competition, jury results and juror comments, analysis maps, maps which summarize the natural and man-made environments and architectural drawings of tourist facilities.

Among jurors for the competition, which attracted some 300 entries, were architects and engineers from Poland, Portugal, Great Britain, Spain and the United States. The jury commended the Penn State entry for its presentation of ideas for the development of co-existence between natives and tourists and for its granting of priority to self-sufficiency.

WPSX highlights

The problems surrounding the development of a Statewide land use policy for Pennsylvania are examined on **Land: The Common Wealth** Thursday, Oct. 2, at 7:30 p.m. The hour-long special, one of several programs on land use to be broadcast by WPSX in October, explores several specific land use problems and how they could complicate an overall land use policy for the State. Included are views of land use problems in Lancaster County, the north central highlands, the flood plains, the Stony Creek wilderness area, Philadelphia, the Slippery Rock area, and other parts of the State. (On Friday, Oct. 3, at 7:30 p.m., **People, Places, Things, Now** presents a panel of land use planners who analyze issues raised by this program.)

"Edward II," Christopher Marlowe's drama of the turbulent and violent reign of the 14th century king, is featured on **Classic Theatre - The Humanities in Drama** Thursday, Oct. 2, at 9 p.m. Ian McKellen stars in the play, which had rarely been seen until the Edinburgh Festival production made McKellen an international celebrity. McKellen and actress Christopher Leech of the University of Connecticut are featured in a companion program, **Classic Theatre Preview**, to be seen Thursday at 8:30 p.m.

Seiji Ozawa and the Boston Symphony Orchestra return for a new season of **Evening at Symphony** Sunday, Oct. 5, at 8 p.m. The first program features Charles Ives' "Central Park in the Dark" and "Ein Heldenleben" by Richard Strauss.

The woman's suffrage struggle in Britain in the early years of this century is the focus of a six-part dramatic series when **Masterpiece Theatre** makes its season premiere Sunday, Oct. 5, at 9 p.m. Titled "Shoulder to Shoulder," the series examines the suffrage movement as seen through the lives of the Pankhursts, an extraordinary family of women who helped to catalyze the movement. Each program may also be seen Friday at 9 p.m.

Beverly Sills stars in a full-scale production of Donizetti's opera, "Roberto Devereux" when **In Performance at Wolf Trap** returns for another season Monday, Oct. 6, at 8 p.m. The opera, which tells the story of Queen Elizabeth's love for the Earl of Essex, also features John Alexander, Susanne Marsee and Richard Fredricks, and New York City Opera director Julius Rudel conducting.

The development of behavioral technology and the issues that surround the increasing use of behavior modification on both individual and larger social levels are the subject of **The Behavior Revolution**, a five-part Penn State **Television** series premiering Tuesday, Oct 7, at 9:30 p.m. The series, developed as a major instructional resource for a Statewide college credit course in the Science, Technology and Society program, is being seen over the Pennsylvania Public Television Network. The first program examines the history of behavioral thought from the time of Plato and Aristotle to the development of psychology as a scientific discipline and the eventual discovery of operant conditioning. Featured is B. F. Skinner, the forenost behaviorist working today. The course is being offered at all Penn State campuses.

Lee Remick stars as Winston Churchill's lively American mother when **Great Performances** presents a seven-part dramatization of "Jennie: Lady Randolph Churchill" beginning Wednesday, Oct. 8, at 9 p.m. The series follows the life of Jennie Churchill from her marriage to Lord Randolph Churchill through her later years when she campaigned for her son Winston and carried through major efforts on her own.

Economics and the free enterprise system are the subjects of **TINSTAAFL**, a 13-week series beginning Thursday, Oct. 9, at 7:30 p.m. The series title, which describes the emphasis of the program, is an acronym for "There Is No Such Thing as a Free Lunch." The series is devoted to informing viewers about how the economy works and issues affecting the free enterprise system. Included each week are news reports, instructional segments on various aspects of the economy and debates among college students from around Pennsylvania on the pros and cons of free enterprise.

Funding opportunities

For procedural and funding source information, call 865-1372.

(185-6) Young engineering faculty at both undergraduate institutions and graduate institutions are eligible to apply to **1976 NSF Engineering Research Initiation Program Grants** which provide opportunities to conduct research on campus or with industry, government and research organizations. Any special areas are stressed for research such as energy, environment, food, natural hazards, productivity and natural resources, but others are accepted. Option A (unsolicited research) has been increased to $20,000. Option B (non-academic environment) remains at $35,000 for a two-year period. Application deadline is Dec. 1, 1975. Program contact is Engineering Research Initiation Program, NSF, Washington, D.C. 20550 (202-632-5790). This information has been distributed. (Ref NSF 76-129 184-3)

(190-1) The National Science Foundation is seeking proposals for two-day **Regional Research Conferences in the Mathematical Sciences.** Each conference will feature ten lectures by 6 distinguished panel lecturers, plus about 50 other active participants. About ten conferences are funded each year, usually in summer or between terms. In addition to the principal lecturers, all active participants receive allowances for travel and subsistence under the host institution's grant. The proposal deadline is Oct. 15, 1975. Details are available from the Conference Board of the Mathematical Sciences, 634 Joseph Henry Bldg., 2101 Pennsylvania Ave. N.W., Washington, D.C. 20037. (Ref. NSF Memo 8/29/75)

(190-2) The National Endowment for the Arts has announced a Nov. 21, 1975, application deadline for its **Spring, 1976, Work Experience-Internship Program,** scheduled from Feb. 9 through May 7. Details are available. (Ref. C&U Regis. 9/8/75)

(198-3) Young persons interested in research in the humanities are eligible for the NEH program **Younger Scholars in the Humanities.** To be considered, the proposed project must: (1) relate to the humanities; (2) have a scholarly purpose; and (3) be limited to individuals"; and (3) be limited, developed and executed by young people. Individual youth grants are normally under $2,000 and may be used for travel, basic services and materials, travel, etc. Publishing costs and advanced degree work are not covered. The next deadline is Dec. 1. Program contact is Younger Humanities, NEH, Washington, D.C. 20506 (202-382-5501). (Ref. OPP Repts.)

(198-4) The Office of Education has announced a Nov. 7, 1975, application closing date for its **Low Fulbright-Hays Training Grants** programs: (1) Doctoral Dissertation Research Abroad (in the fields of foreign language and area studies); (2) Faculty Research Abroad; (3) Group Projects Abroad (including consortiums); and (4) Foreign Curriculum Consultants (including consortiums). (Ref. 40FR42368-69, 9/12/75)

(198-5) The National Science Foundation has announced deadlines for four fellowship programs. Nov. 10, for **NATO Postdoctoral Fellowships** (contact 202-632-7536 for information); Nov. 15, for **NATO Senior Fellowships** (contact 202-282-7595 for brochure E-76-14); Dec. 1, for **NSF Graduate Fellowships** (contact 202-389-6251 for brochure E-76-12); and Dec. 8, for **NSF Postdoctoral Energy-Related Fellowships,** (contact 202-389-6251 for brochure E-76-37). (Ref. C&U Regis. 9/15,76)

(198-7) The National Science Foundation has distributed "draft guidelines" for its new **Comprehensive Assistance to Undergraduate Science Education** program (CAUSE). This is an expanded COSEP-type program which will be subject to "vigorous" proposal evaluation and will emphasize "scientific management" of projects. Guidelines will be published mid-November in the Federal Register, and June 15, 1976, is the earliest anticipated proposal closing date. Also in the mill is a **Research Initiation and Support** (RIAS) program to be institution-centered and directed at young scientists, graduate students and post doctoral students. RIAS is planned to complement the CAUSE program. (Ref. OPP-LO meeting 9/18/75).

(199-3) The Public Health Service has issued proposed rules for grants to meet costs in planning, establishing and operating multi-disciplinary **Health Services Research Centers.** Staff and administrative costs will be funded for research, evaluations and demonstrations in areas including: accessibility, utilization and financing of health systems; supply, training and cost of health manpower, and design and utilization of facilities and equipment. (Ref. 40FR42898-90, 9/17/75).

(199-4) The Office of Education has announced an Oct. 17 closing date for its **Supplemental Educational Opportunity Grants, College Work Study** program and **National Direct Student Loan** program. This information has been distributed. (Ref. 40FR32854-64, 8/19/75).

(199-5) The National Science Foundation will consider proposals in earth sciences, paleology, oceanography, materials science, atmospheric physics, biology and medicine for **Research in Antarctica** during the 1976-77 austral summer and the 1977 austral summer at the George Lione at NSF for further information (202-632-5162) (Ref. NSF Bull., NSF 73-12, Almanac).

(199-6) Applications for **Biomedical Research** Grants-in-Aid and Fellowships are being accepted by the American Heart Association for **research in the cardiovascular field** and in **cerebrovascular field.** Grants-in-aid are made to the institution to direct support of the investigator. Application deadline is Dec. 1 for 1977 support. Contact the American Heart Association, Pennsylvania Affiliate, P.O Box 2435 (2743 North Front St., Harrisburg 17105).

(199-7) The National Institutes of Health (NIH) have announced that the General Research Support Grant (GRSG) program and the Biomedical Sciences Support Grant (BSSG) program will be merged into a **Biomedical Research Support Grant (BRSG) Program.** These grants will be awarded to both health professional schools and to other academic units. The new program will begin in November with the release of a grant application and information statement. Information contact is Louis B. Wagner, Grants Management Office (301-496-5743). (Ref. PHS Memorandum)

New faculty added at University

New appointments to the faculty include:

Dr. Gerald J. August as assistant professor of psychology at Shenango Valley Campus. B.S., Central Connecticut State College; M.A., educational psychology, Southern Connecticut State College; Ph.D., developmental psychology, Purdue University.

Gregory D. Barnes as assistant professor of accounting at Capitol Campus. B.A. and M.A., University of Maryland. Formerly with the Fidelity Mutual Life Insurance Co., and the Peat, Marwick, Mitchell CPA firm. He is a CPA.

Eric R. Birdsall as assistant professor of English at Shenango Valley Campus. B.A., California State College, Los Angeles; M.A., The Johns Hopkins University; currently a candidate for the Ph.D. Formerly an instructor at Salem Community College, Penns Grove, N.J.

Dr. Joyce J. Conlrucci as assistant professor of psychology at McKeesport Campus. B.A., psychology, Nazareth College of the Sacred Heart; M.S. and Ph.D., animal behavior, Ohio State University. Formerly an instructor at Ohio Dominican College, Columbus, O.

Dr. Thomas H. Cook as assistant professor of engineering at New Kensington Campus. A.S., mech. tech., SUNY at Farmingdale; B.S., engineering, M.S. and Ph.D., mechanical engineering, Stevens Institute of Technology.

Robert T. Craig as assistant professor of speech communication. B.A., University of Wisconsn; M.A., Michigan State University; Ph.D. candidate at Michigan State. He was a Woodrow Wilson Fellow in 1970 and a visiting assistant professor at the American University of Beirut in 1973.

Dr. John W. Dawson as assistant professor of mathematics at York Campus. B.S., Massachusetts Institute of Technology. Ph.D., University of Michigan. Recipient of a National Merit Scholarship and formerly an instructor of mathematics at University Park.

Marion Angus Dougan as assistant professor of nursing. B.S., Carnegie-Mellon University; M.S., University of Pittsburgh. Formerly director of the School of Nursing, Columbia Health Center, Pittsburgh. At Penn State, she will serve as professor-in-charge of continuing education for the Department of Nursing.

Richard L. Henry as assistant professor of health, physical education and recreation at McKeesport Campus. B.S., business administration, Duquesne University; Ed. Cert. and M.Ed., health and physical education, University of Pittsburgh. Formerly high school teacher and for the last six years department head, Serra Catholic High School, McKeesport.

Dr. Richard H. McDonnell as assistant professor of history at Mont Alto Campus. B.S., chemistry, St. Lawrence University; M.S., chemistry, West Virginia University; Ph.D., history, Penn State. Formerly assistant professor of history at Livingstone College, Salisbury, N.C.

Staff vacancies

This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (Network Line 475-1387). Applications for the staff vacancies will be accepted until 5:00 p.m. Thursday, Oct 9. **Do not contact the area that has the vacancy.**

RESEARCH DATA WRITER — Hershey

Responsible to the chairman of the Department of Psychiatry and to the Chief of Research for the preparation and writing of various reports related to the departmental research program. Bachelor of science degree in composition or journalism, plus six months of experience in the writing and preparation of reports.

Applications for staff vacancies are considered without regard to race, color, creed, sex, or national origin.

PENN STATE intercom

Volume 5, Number 6 October 9, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Pass-Fail change to come before Senate; new offices opening

Faculty invited to visit Birch Cottage facilities now housing all records

The University Faculty Senate Office has moved to new quarters in — appropriately enough — the last faculty residence on campus.

An open house of the new facilities in Birch Cottage will be held Monday, Oct. 13, from 9 a.m. to 5 p.m. and 7 to 9 p.m.

According to Dr. Oscar C. Barkman, executive secretary of the Senate, office personnel and Senate officers will be on hand to show people through the new quarters and explain the day-to-day operations of the Senate Office.

"We hope," Dr. Barkman says, "that not only faculty senators but also faculty and staff members, many of whom we know only by telephone, will avail themselves of the opportunity to visit the new offices."

When the University Faculty Senate was first reorganized in 1966, its office was located in Willard Bldg., where it utilized two rooms on the second floor. At the time of the 1971 reorganization, it expanded to four rooms but soon outgrew that space.

"The Senate records," Dr. Barkman points out, "were kept in closets in seven different classrooms on two floors of Willard. If someone wanted some information from 1966, for example, we'd have to tell them to wait until classes were over before we could duck in and get the material.

"Now we can maintain all our records, including a central file for all courses and programs dating back to the establishment of the Senate in 1921, in an easily accessible area."

In addition to records space and offices for Senate personnel, the new facility in Birch Cottage also contains a conference room for use by Senate committees, which previously met in a seminar room used by classes.

Birch Cottage, which was constructed in 1889, was last occupied as a faculty residence by the late Dr. Herbert R. Glenn, who served as director of Ritenour Health Center. It was then utilized by the College of Agriculture for studies on small animals and later housed the Department of University Safety until that unit moved to Grange Bldg.

In addition to the Faculty Senate, the Senate Office currently serves these other types of populations — College and Campus academic units, by providing a central coordinating file for all courses and programs; faculty and students, as an informational source on University policies, procedures and academic rules; and the academic administration, as a research source for all previous policies enacted by the Senate.

Blue B parking changed

As of Monday, Oct. 13, faculty-staff parking areas Blue A at Curtin and Bigler Roads will be changed to a student parking area, but the roughly 250 persons affected by the change will be able to park in any of the open faculty-staff parking areas. These include Blue A at Mitchell Bldg. and Animal Industries Bldg., Blue D and E at the Auditorium and Computation Center, Orange B at East Halls and Orange L across University Drive from Shields Bldg. No new parking decals or part-time windshield permits will be necessary.

Text of recommendations submitted on Academic Redemption Option

The University Faculty Senate, at the Oct. 14 meeting, will consider recommendations of its Ad Hoc Committee on Pass-Fail. The entire committee report will be discussed at the meeting, with action scheduled for Nov. 11. Among its recommendations, the committee proposes elimination of rules regarding Pass-Fail and proposes substitution of an Academic Redemption Option. Following is that portion of the committee report which deals with the Academic Redemption Option:

1. The Ad Hoc Committee on Pass-Fail proposes elimination of rules regarding Pass-Fail, rule M-3b, and changes in the rules regarding late course drops.
2. The Committee proposes to substitute an Academic Redemption Option to accomplish the following:
   (a) All courses will be taken for a grade.
   (b) All grades, as submitted by faculty instructors, will be recorded on students' transcripts.
   (c) A student's grade-point-average will be computed on the basis of all grades received. However, a student may petition to eliminate from his/her GPA grades received in courses totaling not more than 18 credits for baccalaureate and not more than 9 credits for associate degree students.
   (d) This option is available to **every** currently enrolled student and may be exercised at any time in the student's career. In addition, a student dropped for academic deficiency may file for redemption before his/her next registration in order to affect a rescinding of the drop action. The grade of any course the student has taken may be eliminated from the grade-point-average. Such courses do not count toward graduation.
   (e) Once filed, Academic Redemption Options are final and irrevocable.
   (f) Nothing in this proposal modifies specific program or degree requirements.

Rationale and Explanation

The Academic Redemption Option will eliminate the Pass-Fail Option, with all the academic, personal, and administrative difficulties this option has permitted. It will eliminate rule M-3b, which has proved difficult to administer, difficult for students to understand, and above all, discriminatory in that it favors the poorer student at the expense of the good student. Finally, the post-21-day drop period for courses, which has had a major effect of making liars out of students and arbitrary judges out of administrators will be changed to permit a longer drop period with appropriate indication of the student's standing at the time when drop action is taken.

The new Option will have the effect of tightening up academic standards by permitting all students enrolled in a specific class to work and be graded on the same basis. Because it would be a choice made by the student at any time in his career, except for certain obvious limitations on last minute changes before graduation, there will no longer be need for deadlines of the kind that have made M-3b and Pass-Fail so difficult to administer. The program will offer greater flexibility than the combined present programs because it offers an opportunity to enlarge number of students. Any student in the University may take advantage of the Academic Redemption Option regardless of the grade he may have received in the course. There is, in fact, a greater choice for the students because all choices are made, ex post facto, after the grade has been received. At the present time, the only occasion on which such a choice can be made is when a student fails a course and chooses to exercise M-3b. His only other choices are to drop a course in which he may be doing badly or to take a course Pass-Fail in the first place and then lose what could have been a high grade as a result. The Academic Redemption Option would permit students to take courses on an experimental basis and decide afterwards whether or not to retain the grades in calculating cumulative averages. It also permits a student who is doing badly in a course in which he is currently enrolled to continue to the end of the course, and then make the decision about dropping it from his cumulative average. Further, it will permit immediate rescinding of drop action, with consequent reduction of pressure to change grades after drop action, as well as reduction in

(Continued on page 4)

Cooks' tour is delicious, nutritious– and educational for all concerned

The University's most delicious course, FSHA 410, got off to a exotic start in September presenting a sample of Greek and Moroccan cuisine to Maple Room diners in the Human Development Building.

The 32 students enrolled in the course this term not only study the cuisines of various cultures around the world but also attempt to reproduce them at dinners which they prepare and serve twice weekly.

Highlight of last month's meals was the appearance of a belly-dancer to add atmosphere to the Moroccan dinner. She was Ann-Lise Deering, wife of Dr. Reginald A. Deering, professor of biophysics.

While enjoying the entertainment, faculty members, students and staff toasted on "couscous," a lamb stew, and chicken "tajine m'hammer."

The previous night the Maple Room was converted into a Greek Tavern as "armi souvlakia," lamb on skewers, and "pastitso," a ground beef and pasta dish, were served in a relaxed atmosphere with massed shrubbery strategically placed to give the impression of eating outdoors.

According to Leo M. Renaghan, instructor in service administration, the purpose of the course is to give students an understanding of how cuisines develop. By featuring a different culture's cooking at each meal, the students get a grand tour of the world's cuisines.

"The actual preparation of the meals is

(Continued on page 4)

Grading system for M.D., redefining of electorate also on Oct. 14 agenda

In addition to discussing a report of the Pass-Fail Committee at its Oct. 14 meeting, the University Faculty Senate will:

—Receive two reports from the Senate Committee on Undergraduate Instruction concerning the grading system for the M.D. degree and the policy on corrected grades.

—Consider a recommendation from the Subcommittee on Senate Membership that the Senate redefine its criteria for determination of its electorate and membership so as to include all individuals whose duties as faculty entitle them to participation in University-wide governance. The subcommittee recommends including in the Senate electorate faculty members who hold research ranks. It also recommends that the director of the Division of Undergraduate Studies be an ex-officio member of the Senate.

—Receive a report from the Committee on Committees and Rules concerning changes in the Senate constitution, bylaws and standing rules.

In addition to a number of editorial changes, one proposed change in the standing rules which may be acted on at the Oct. 14 meeting would require votes in an election to be counted by five rather than three tellers.

A proposed change in the bylaws regarding delegation of responsibility cannot be acted upon until the regular Senate meeting in November. It proposes that "the Senate Council will provide for liaison with the Graduate Council."

Mitchell Building has open house

The Division of Instructional Services, Audio-Visual Services and Listening-Learning Services will conduct an Open House in Mitchell Bldg. beginning Tuesday, Oct. 14, from 1 to 5 p.m.

On Wednesday, Oct. 15, visitors may tour the facilities from 9 a.m. to 9 p.m., and on Thursday, Oct. 16, from 9 a.m. to 5 p.m.

Featured will be presentations by faculty members who participated in recent course improvement projects. These projects were funded by the Office of the Vice President for Resident Instruction in a program to improve large enrollment, basic courses.

Visitors to the Open House will also be able to see demonstrations of a new examination processing facility at 10:30 a.m. and 2:30 p.m. daily and to view recent film acquisitions and equipment belonging to Audio-Visual Services. Listening-Learning Services will display independent learning laboratory and dial access carrels.

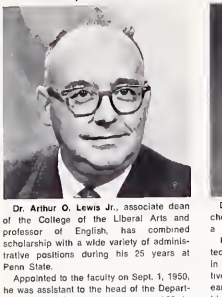
Instructional Development Seminars include:

- Oct. 14 — 1:30 p.m., Anthropology 1, Dr. Warren T. Morrill, Michael Staffy. 3 p.m., Business Logistics 102, Dr. John J. Coyle Jr.
- Oct. 15 — 9:30 a.m., History 20 and 21, Dr. Phillip E. Stebbins. 11 a.m., Individual and Family Studies 129, Dr. Stella R. Goldberg, Dr. Francine Deutsch. 1:30 p.m., English 119.

(Continued on page 4)

PENN STATE COLLECTION

Lewis, Haas mark 25 years



Dr. Arthur O. Lewis Jr., associate dean of the College of the Liberal Arts and professor of English, has combined scholarship with a wide variety of administrative positions during his 25 years at Penn State.

Appointed to the faculty on Sept. 1, 1950, he was assistant to the head of the Department of English Literature from 1953 to 1957 and then served a year as assistant to the head of the reorganized Department of English. From 1958 to 1960, he was chairman of English graduate studies and from 1960 to 1965 was associate head of English.

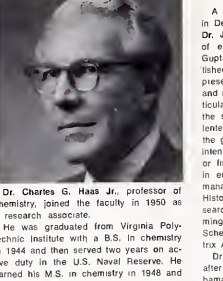
He was named associate dean for resident instruction in his College in 1965, a title he held until becoming associate dean in 1973. During 1968-69, he was acting dean of the College and last year was acting head of the Department of English.

A native of Wellsville, Pa., Dr. Lewis earned his A.B. cum laude and his A.M., both in English, from Harvard University. He rose from private to first lieutenant in the U.S. Army Signal Corps, and then taught as an instructor in English at The Rice Institute. Penn State granted him his doctorate, and his dissertation subject was "Emblem Books and English Drama, 1581-1600."

He is the author of "Of Men and Machines" and "American Utopias: Selected Short Fiction." He has also co-authored several books, including "The Case for Poetry: A Critical Anthology," "Anglo-German and American-German Crosscurrents, Volumes One, Two and Three," "Visions and Revisions In Modern American Literary Criticism" and "The World of Japanese Fiction." He served as advisory editor to a 41-volume "Utopian Literature" collection, published by Arno Press, and provided introductions for several of the books in the series.

Dr. Lewis has been active in the Science Fiction Research Association, serving as co-chairman of its 1973 annual conference and as chairman of its constitutional committee. From 1956 to 1958, he was president of the Pennsylvania Federation of Teachers, and during this period was a member of the Governor's Commission on Higher Education and the Governor's Commission on Teacher Training. He also was a delegate to the U.S. Committee on UNESCO in 1959.

He is a longtime member of the University Faculty Senate, and served as chairman of that body during 1968 and 1969.



Dr. Charles G. Haas Jr., professor of chemistry, joined the faculty in 1950 as a research associate.

He was graduated from Virginia Polytechnic Institute with a B.S. in chemistry in 1944 and then served two years on active duty in the U.S. Naval Reserve. He earned his M.S. in chemistry in 1948 and his Ph.D. in this field in 1957, both at the University of Chicago.

As an inorganic chemist, his research interests have centered around the stability of coordination compounds, and he has done work on the chemistry of molybdenum and on dipole moment determinations of geneous compounds and of coordination compounds.

His teaching responsibilities include general chemistry courses for freshmen and various courses in inorganic chemistry at the upper undergraduate and graduate levels. He was one of three chemistry instructors who took part in the initial Penn State experimental project for instructional television in 1955.

Since 1965, Dr. Haas has served as departmental coordinator for chemistry at the Commonwealth Campuses, participating in recruitment of faculty and planning and equipping of laboratory facilities, in addition to serving as liaison for instruction. He also was director of the general chemistry program from 1957 to 1959.

He is a member of Phi Lambda Upsilon, chemical honorary society, and served as adviser of its Penn State Chapter and in national offices as Historian and Vice President. He has been president of the local chapters of both Phi Kappa Phi and Sigma Xi.

In addition to having been a member of the University Faculty Senate, he has served on various Graduate School faculty committees and all-University committees.

Appointments

Dr. Gary L. Mullen as assistant professor of mathematics at Shenango Valley Campus. B.A., Allegheny College; M.A. and Ph.D., Penn State. While working on his Ph.D., he served as temporary instructor.

Dr. Robert Posatko as assistant professor of economics at Capitol Campus. Graduate of King's College; M.A. and Ph.D., Penn State. Formerly at Slippery Rock College.

Dr. Randall Schuler as visiting assistant professor of organizational behavior. He is a graduate of the management department at Michigan State University and serves on the faculty of Cleveland State University.

Dr. Timothy G. Vesonder as assistant professor of English at Shenango Valley Campus. B.A., maxima cum laude, St. Meinrad College; M.A., Carnegie-Mellon University; Ph.D., Penn State. Formerly instructor at Youngstown State University and Quigley High School.

Faculty notes

A new textbook, "Operations Research in Decision Making," has been written by **Dr. James P. Ignizio**, associate professor of engineering, and Dr. Jallinder N. D. Gupta of the U.S. Postal Service. Published by Crane, Russak and Co., the book presents an introduction to the principles and methods of Operations Research, particularly the use of Operations Research in the solution of the complex, systems oriented problems encountered in industry, the government and society. The book is intended for a one-semester, senior level or first-year graduate course for students in engineering, business, economics and management. It includes chapters on The History and Approach of Operations Research, Decision Theory, Linear Programming, Network Problems, Sequencing and Scheduling Problems and a review of Matrix Algebra.

Dr. Ignizio joined the faculty last year after seven years at the University of Alabama. The author of numerous papers and articles, he received his baccalaureate degree at the University of Akron, his M.S. from Alabama and his Ph.D. from Virginia Polytechnic and State University.

Dr. Dennis M. Roberts, associate professor of educational psychology, is the author of a new text titled, "Descriptive and Inferential Statistical Topics." The book, which was published by Kendall/Hunt, was written for use in beginning statistics courses — especially those with emphasis on social science applications. It is built around a set of approximately 85 instructional objectives ranging from simple graphing to one-way analysis of variance. Each objective has a short instructional unit followed by a post-test. The emphasis in the book is on simple computational problems, and the material is suited for use in courses where an individualized teaching approach is desired.

Dr. Roberts received his Ed.D. in 1967 from the Educational Research and Testing Department at Florida State University. He was an assistant professor in the Measurement and Evaluation Department at The Ontario Institute for Studies in Education in Toronto, Canada, and the Psychology Department at East Carolina University before moving to Penn State in 1973. His major academic interests are statistics, research design and theoretical and applied aspects of measurement. He has written numerous journal articles.

Dr. Luis F. Gonzalez-Cruz, associate professor of Spanish at New Kensington Campus, delivered a paper entitled "Pablo Neruda en la encrucijada de 'Tentativa del hombre infinito'" at the 17th Convention of the International Institute of Ibero American Literature at the University of Pennsylvania. He is the author of two books of literary criticism concerning the late poet, "Pablo Neruda y el 'Memorial de Isla Negra'" and "Pablo Neruda, Cesar Vallejo y Federico Garcia Lorca. Microcosmos poeticos."

Dr. Frederick R. Eisele, assistant professor of social policy, has presented a series of lectures in France on public policy toward aging and on his research on longevity among political elites. At the invitation of the University of Grenoble, Dr. Eisele participated in a conference sponsored by the Gerontology Center of the University's Institute of Political Studies. The conference was funded in part by the French Ministries of Foreign Affairs and Education. France, with a higher percentage of older persons in its population than the United States, is increasingly interested in research and social programs in gerontology in other countries. Dr. Eisele is associate chairman of the Gerontology Center of the Institute for the Study of Human Development at Penn State and was editor of a special issue of the Annals of the American Academy of Political and Social Science, "Political Consequences of Aging."

Dr. Robert A. Lewis, associate professor of human development, has been appointed associate editor of the "Journal of Marriage and the Family," a scholarly publication devoted to the presentation of original theory, research interpretation and critical discussion of materials related to marriage and family life. Dr. Lewis recently presented a paper on "The Marital Disenchantment-Disengagement Thesis Reconsidered" at the 10th International Congress of Gerontology in Jeruselem, Israel.

Dr. Charles W. Ruischky, professor of entomology, took part in The First Entomology Workshop on Education held recently at the University of Massachusetts, Amherst. Dr. Rutschky was group leader for an evening program dealing with teaching general entomology. He is a past president of the Pennsylvania Entomological Society and is also a member of the Sweadner Entomological Society of Pittsburgh. The author of numerous technical articles in the field of entomology, he is currently president of the Pennsylvania Academy of Science, made up of 600 scientists representing the fields of biology, geology, physics, mathematics and chemistry.

Dr. James E. Harf, associate professor of political science at The Ohio State University, is serving during the current academic year as an academic administration fellow within the Office of the Provost.

The internship program was established by the American Council on Education in 1964 to help to strengthen leadership in American higher education. Forty candidates are chosen annually from nominations made by executives at institutions of higher learning.

A native of Altoona, Dr. Harf is a graduate of Mildred-Penn State College with a B.S. in secondary education. He received his M.A. in political science from the University of Delaware and his Ph.D., also in political science, from Indiana University.

Dr. Harf has been at Ohio State since 1969. From 1961 to 1965, he taught mathematics and government and was head football and basketball coach at Bridgeville, Del., High School.

Funding opportunities

(200-2) The National Endowment for the Arts has announced deadline dates for several programs. "Visual Arts Program": 10/15/75 for **crafts exhibition aid**; 1/1/76 for two categories of **works of art in public places**; 1/15/76 for **photography exhibition aid**. "Museum Program": 7/2/76 for conservation funding, assistance for **conservation work**, and museum training. "Architecture + Environmental Arts Program": 1/2/76 and 6/2/76 for **academic and professional events** and 7/2/76 for **public awareness and education**. "Public Media Program": 5/15/76 for **media studies**.

(200-3) The National Endowment for the Arts announces its eighth **Work Experience Internship Program** scheduled next Feb. 1 through May 7. Applicants must be sponsored by the University. Non-matching grants include a stipend of $1,960, plus travel. Application deadline is Nov. 21, 1975. Write the Intern Program Officer, NEA, Washington, D.C. 20506

(200-4) NSF announces a Dec. 15 closing date for its **Energy Related Graduate Traineeship Program for 1976-1977**. Proposals must be confined to coal or non-renewable resources, recovery and/or substitution. Separate proposals in each area may be submitted by an institution. (Ref. NSF E76-20).

(200-5) Matching funds for equipment needed to improve undergraduate scientific instruction is available through the **NSF Instructional Scientific Equipment Program**. Application deadline is Jan. 19, 1976, with awards scheduled for May. (Ref. NSF E-76-15).

Forestry program renamed

A new name has been given to a School of Forest Resources program; the Master of Forestry degree will henceforth be known as the Master of Forest Resources. The change is intended to reflect the broadened range of interests possible to pursue in the field, including various types and uses of natural resources that exist on forest lands or are derived from them.

Staff vacancies

INTERCOM staff vacancy listings usually require a baccalaureate degree or its equivalent as a minimum educational qualification. Listings which do not require a baccalaureate degree will be announced in the Penn State REPORTER, which also includes INTERCOM listings.

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling.

This announcement is made so that all University employees who wish to be considered for promotion may apply by calling the Employment Division, 865-1367 (Network Line 475-1367). Applications for these staff vacancies will be accepted until 5:00 p.m. Thursday, Oct. 16.

The University is an equal opportunity employer

ASSISTANT DIRECTOR FOR ADMINISTRATIVE SERVICES — Allentown Campus

Responsible to the Campus Director for University administrative service matters at the Allentown Campus, including the maintenance and operation of buildings and grounds, coordination with the Office of Personnel Administration, Office of Physical Plant, Department of Purchases, Budget Operations, etc., coordination of Physical Plant activities, operation of auxiliary enterprises, parking program, security, campus postal service, etc.; also for various other academic, administrative support services. Bachelor's degree in area such as business administration or equivalent organized outside study or training, and two-four years' related up to and including seven years of total experience in personnel, budgetary operations, maintenance, etc., with interpersonal skills and supervisory background.

SYSTEMS ANALYST, MANAGEMENT SERVICES — University Park

Individual will report to the Manager of Process Control and will be responsible for the development and implementation of standards and procedures within Management Services. Specific functions include — data gathering and analysis, task planning, cost benefit and feasibility studies, systems documentation, information flow and utilization analyses, plus some programming. Bachelor's degree or equivalent, with training in IBM basic computer systems and system planning, plus 2-4 years of directly related experience in data processing.

INSTRUCTIONAL SERVICES SPECIALIST — Hershey

Responsible to the Department Chairman in the Department of Psychiatry for the preparation and arrangement of instructional materials, plus the use and maintenance of various broadcast equipment. Bachelor's degree in program directing or equivalent training in commercial programming and broadcasting, plus one to two years of directly related experience in programming and coordinating instructional materials.

EDITORIAL ASSISTANT — Hershey

Responsible to the Chairman of Microbiology to assist with the preparation and editing of manuscripts for journals, brochures, catalogs, special articles, special reports, research studies and other printed materials. Bachelor's degree or equivalent in English, journalism, science or other appropriate field. One to two years' experience writing for journals and magazines, or equivalent.

University Park Calendar

October 9-19

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, Oct. 9
Commons Videotape, 12 noon, Kern lobby.
FSHA 410 dinner, on English Harvest Feast, 5 p.m., Maple Room, Human Development. Reservations required, 865-7441.
University Theatre, "Summer and Smoke," 8 p.m., Pavilion Theatre.

Friday, Oct. 10
University Readers, 7 p.m., Room 112 Kern.
GSA's Commonspace Coffeehouse, 8 p.m., Room 102 Kern.
University Theatre, "Summer and Smoke," 8 p.m., Pavilion Theatre

Saturday, Oct. 11
Sports: Football, vs. West Virginia, 1:30 p.m., Beaver Field. Men's Cross Country, vs. Kent State.
University Theatre, "Summer and Smoke," 8 p.m., Pavilion Theatre.
Artists Series, Monteverdi Choir and Orchestra, Monteverdi "Vespers," 8:30 p.m., University Auditorium.

Sunday, Oct. 12
PSOC Hiking Club, Flaming Fall Foliage Hike, 9 a.m.
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Julien Casserly, Seabury-Western Theological Seminary, Evanston, Ill.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Rev. Charles L. Coleman, Religious Affairs.
Gloria C. Spencer Gray, 615 lb. gospel singer, 7 p.m., Schwab.

Tuesday, Oct 14
Division of Instructional Services, Audio-Visual Services, and Listening and Learning Services Open House, 1-5 p.m., Mitchell Bldg.
Seminar on the use of psychology reference materials, 7 p.m., Room W110 Pattee.
University Theatre, "Summer and Smoke," 8 p.m., Pavilion Theatre.

Wednesday, Oct. 15
Division of Instructional Services, Audio-Visual Services, and Listening and Learning Services Open House, 9 a.m.-9 p.m., Mitchell Bldg.
Noontime Concert, 12:15 p.m., Kern lobby.
University Theatre, "Summer and Smoke," 8 p.m., Pavilion Theatre.
Artists Series, Chinese Acrobats of Taiwan, 8:30 p.m., Rec Hall.
"An Evening of Opera," with Karen Scott and Robert Trehy, 8:30 p.m., Music Bldg. recital hall.
FSHA 410 dinner, China, 5:30 p.m., Maple Room, Human Development. Reservations required, 865-7441.

Thursday, Oct. 16.
Division of Instructional Services, Audio-Visual Services, and Listening and Learning Services Open House, 9 a.m.-5 p.m., Mitchell Bldg.
Commons Videotape showing, 12 noon, Kern lobby.
University Theatre, "Summer and Smoke," 8 p.m., Pavilion Theatre.
FSHA 410 dinner, Central America, 5:30 p.m., Maple Room, Human Development. Reservations required, 865-7441.

Friday, Oct. 17
GSA's Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Sports: Soccer, vs. Maryland, 7 p.m., Jeffrey Field.
University Theatre, "Summer and Smoke," 8 p.m., Pavilion Theatre.
"Bread and Roses: A Musical Documentary of Women's History," 8 p.m., Schwab. Sponsored by AWS.

Saturday, Oct. 18
Sports: Men's Cross Country, vs. Indiana.
University Theatre, "Summer and Smoke," 8 p.m., Pavilion Theatre.
PSU Symphony Orchestra, 8:30 p.m., University Auditorium.

Sunday, Oct. 19
Chapel Service, 11 a.m., Eisenhower Chapel. Chaplain Warren Solberg, pastor, David's Church, Millersburg, Pa.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Elder Gerald G. Loyd, pastor, Black Christian Fellowship.
Artists Series, Music from Marlboro, 8:30 p.m., Schwab.

Seminars

Thursday, Oct. 9
Microbiology, 3:55 p.m., Room S2 Frear. Dr. Roland Nardone, Catholic University of America, on "The Use of 'In Vitro' Systems for Toxicity Testing."
Anthropology, 3:30 p.m., Room 107 Social Science. Dr. Joseph W. Michels on "An Archaeological Survey of the Axum Mile Kingdom, Ethiopia."
Physics, 3:50 p.m., Room 117 Osmond. John Tripp, University of Connecticut, on "de Haas-van Alphen Effect in Beryllium and Its Alloys."
Agronomy, 8:15 a.m., Room 301 Ag. Admin. Dr. Roy Simonson, Soil Conservation Service, Washington, D.C., on "Soil Resources and World Food Production."
Chemistry, 12:45 p.m., Room 333 Whitmore. Richard D. Kuret, Arizona State University, on "New Concepts in Liquid Chromatography Detectors."
Meteorology, 4 p.m., Room 26 Mineral Sciences. Jerry Mahlman, Princeton University, on "Dynamics of the Stratosphere and Its Implications for Dispersion of Trace Constituents."
Organic Chemistry, 4 p.m., Room 333 Whitmore. Dr. R. Schowen, University of Kansas, on "Transition State Structure and Enzyme Catalysis."

Monday, Oct. 13
Computation Center, 7:30 p.m., Room 105 Osmond. "Introduction to the Computation Center (1)."
Genetics, 3:55 p.m., Room 111 Tyson. Dr. Reginald Geering, biochemistry and biophysics, on "Parasexual Genetics in Cellular Slime Molds."
Biochemistry, 11:10 a.m., Room 101 Althouse. Dr. Robert Bernlohr, biochemistry and biophysics, on "Regulation of Bacterial Sporulation."
Entomology, 4 p.m., Room 204 Patterson. C. W. Rutschky III on "Impressions of the First Entomological Workshop on Teaching."

Tuesday, Oct. 14
Comp Lit Luncheon, 12:15 p.m., Hotel State College. Harold Shapiro, art historian and literary critic, on "Ruskin in Italy."
Biochemistry, 11:10 a.m., Room 101 Althouse. Dr. Robert Bernlohr, biochemistry and biophysics, on "Roles of Metabolite Pools in Regulation."
English, 8 p.m., Room 101 Kern. Harold Shapiro, literary critic and art historian, on "The Two 'Voyages Out' of Virginia Woolf."
Air Pollution Control, 2:00 p.m., Room 140 Fenske. Wayne J. Brlko, grad. asst. in chem. eng. and air pollution control, on "A Method of Calculating Atmospheric Pollutants Removal of Water Bodies."
Plant Pathology, 9:45 a.m., Room 213 Buckhout. Rodney Vargo on "The Incidence of Clubroot of Crucifers in Relation to the Soil Environment."
Solid State Physics, 1 p.m., Room 339 Davey. Dr. Daniel Pierce, National Bureau of Standards, Washington, O.C., on "Spin Polarized Photo Emission from GaAs: A New Era in ESP Measurement."
Engineering Science and Mechanics and Engineering Acoustics, 4 p.m., Room 215 Hammond. Dr. A. V. Srinivasan, Pratt-Whitney Aircraft, East Hartford, on "Vibration Problems in Jet Engine Structures."
Analytical Chemistry, 12:45 p.m., Room 333 Whitmore. W. E. Brugger on "Human Olfaction from a Molecular Viewpoint."
Ceramic Science, 9:35 a.m., Room M.I. Dr. Douglas E. MacDonald, engineering science and mechanics, on "Theoretical Strength of Solids."

Wednesday, Oct. 15
Energy-Bioenergetic, 3:55 p.m., Room 111 Life Sciences I. Dr. H. J. Palmer, chairman, fuel science, on "Solar Energy: The Process, Equipment, Efficiency and Problems."

Thursday, Oct. 16
Agronomy, 8:15 a.m., Room 301B Ag. Adm. Dr. John Norman, Meteorology, on "Development and Application of Crop Growth Simulation Models."
Microbiology and Cell Biology, 3:55 p.m., Room S2 Frear. Dr. Joseph S. Gots, University of Pennsylvania Medical School, on "Regulation of Purine Nucleotide Metabolism in Bacteria."
Physics, 3:50 p.m., Room 117 Osmond. G. Rawitscher, University of Connecticut, on "Electron Scattering from Nuclei."
Meteorology, 4 p.m., Room 26 Mineral Sciences. Dr. Alistair B. Fraser on "The Mirage, the Green Flash, and Theological Optics."
Chemistry, 12:45 p.m., Room 333 Whitmore. Albert L. Allred, Northwestern University, on "Pnyslalanes."
Computer Science, 4 p.m., Room 325 Whitmore. Ravi Sethi, computer science, on "Correct Computation Rules for Recursive Languages."

Meetings

Sunday, Oct. 12
Interlandia Folk Dance, 7:30 p.m., south gym, White.

Monday, Oct. 13
Rehabilitation Education Organization, 7:30 p.m., Room 301 Social Science. Topic, "Job Opportunities."
Education Student Council, 7 p.m., Room 109 Chambers.
Pennhellenic Council, 6.30 p.m., Helster Hall.

Tuesday, Oct. 14
Faculty Senate, 2:10 p.m., Room 112 Kern.
College of Arts and Architecture faculty, 4 p.m., Room 112 Music Bldg.
ARHS, 7 p.m., Room 207 Business Administration.

Wednesday, Oct. 15
Graduate Council, 2:30 p.m., Room 101 Kern.
Penn State Mining Engineering Society, 7:30 p.m., Room 26 Mineral Sciences. Joseph P. Brennan, president, Bituminous Coal Operators Association, on "Organization of the Bituminous Coal Operators Association."

Thursday, Oct. 16
College of Business Administration faculty, 10 a.m., Room 201 Business Administration.

Saturday, Oct. 18
American Association of University Professors, Pennsylvania Division Annual Meeting. Jeanette Reibman, chairperson Senate Education Committee, on problems of higher education, 9 a.m., Room 101 Kern. Or. Joseph Dutley, AAUP general secretary, on "The AAUP Approach to Collective Bargaining," 11:15 a.m., Room 101 Kern. Open to public.

Films

Monday, Oct. 13
France Cinema, "Breathless," 7 and 9 p.m., Room 112 Kern.

Wednesday, Oct. 15
GSA's Commonsplace Cinema, "Diary of a Mad Housewife," 7:20 and 9:30 p.m., 112 Kern.

Thursday, Oct. 16
Comparative Literature 100, "Don Quixote" (1957 Russian version), 7:30 p.m., Room S209 Human Development. Open to the public.

Exhibits

Museum of Art: Panel Paintings from the Samuel H. Kress Collection of the Allentown Art Museum. Drawings from the Permanent Collection.

HUB Gallery: Homecoming Exhibit (old photographs from Pattee, Rec Hall, and La Vie).

Kern Gallery: Jackie Battenfield, weavings.

Cultural Center, Walnut Bldg.: An exhibit of mixed media, the work of the New York Chapter of the National Conference of Artists.

Pattee Library: Copper Sculpture by Curtis Clawson, Main Lobby. Prints by Mary Hamilton, Circulation Lobby. Birds-Eye Views: 19th Century Etchings of Pennsylvania Towns, East Corridor, through Oct. 13.

Chambers Gallery: Shirley Bernreuter, paintings and drawings. Becky Kosmel, weavings, through Oct. 16. Art Department Student Group, paintings and drawings, opening Oct. 17.

Zoller Gallery: New Faculty Show, through Oct. 16.

Lecture

Monday, Oct. 13
Robert Siegel, architect, will discuss and show the work of his firm, Gwathmey and Siegel, N.Y., 7:30 p.m., Room 105 Forum. The lecture is sponsored by the Department of Architecture.

Arts roundup

Special ticket sale

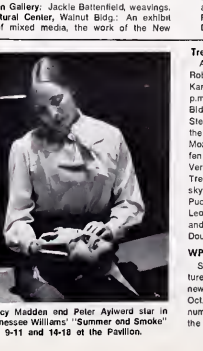
There will be a special sale of tickets o the Oct. 15 performance of the Chinese crobats on Monday and Tuesday, Oct. 13 and 14, at the Artists Series HUB booth and University Auditorium. The acrobats will be seen at 8:30 p.m. at Recreation Hall. Tickets to Music from Marlboro and Music Series events will go on sale o patrons only from 11 a.m. to 2 p.m. on Oct. 15. A general sale for these tickets will be held Oct. 16. Tickets for "Be Glad Then America" will not be sold until further notice, since plans for seating and staging for the production are being reviewed by the Artistic Director.

Orchestra plays Oct. 18

The University Symphony Orchestra, conducted by Dr. D. Douglas Miller, assistant professor of music, will present its first concert of the academic year at 8:30 p.m., Saturday, Oct. 18, in the University Auditorium. Works by five American composers spanning the first six decades of the 20th century will be performed by the 90-piece student ensemble. From the 1930s are Copland's "Outdoor Overture" and Howard Hanson's "Romantic Symphony." Written in 1908 was Charles Ives' "The Unanswered Question," which requires two conductors to direct its disparate elements. Charles Griffes' "The White Peacock" and William Schuman's "New England Triptych" will complete the concert, for which tickets are not required.

Photo exhibit

An exhibition of photographs by James M. Baker, instructor of photography at Edinboro State College, is on view through Oct. 16 in 212A Arts Bldg. The 18 black-and-white photographs relate to the writings of Henry Beston, author of "The Outermost House" and depict a stretch of beach on Cape Cod, Mass. Exhibition hours are 1 to 4 p.m. Tuesday and Thursday.



Nancy Madden and Peter Aylward star in Tennessee Williams' "Summer and Smoke" Oct. 9-11 and 14-18 at the Pavilion.

Trehy, Scott perform

An evening of opera will be offered by Robert Trehy, professor of music, and Karen Scott, assistant professor, at 8:30 p.m. Wednesday, Oct. 15, in the Music Bldg recital hall. Accompanied by pianist Steven Smith, assistant professor of music, the program will include selections from Mozart's "Marriage of Figaro" and "Cosi fan Tutte," Donizetti's "Don Pesquale," and Verdi's "Rigoletto." After intermission Trehy will perform an aria from Tchaikovsky's "Pique Dame" and Scott an aria from Puccini's "Manon Lescaut." A duet from Leoncavallo's "Pagliacci" and two arias and a duet from "Ballad of Baby Doe" by Douglas Moore will complete the program.

WPSX highlights

Singer-composer Berry Manilow is featured on the premiere of **Soundstage,** a new contemporary ,music series, Friday, Oct. 10, at 10 p.m. Manilow performs a number of his latest hit singles, along with the commercial jingles he has composed.

(Continued on page 4)

Earth & Mineral Sciences report

Research funds received from outside sources — industries, foundations, state and federal agencies — have just about doubled in the College of Earth and Mineral Sciences during the past year, with more than 60 percent of the monies allotted to projects related in some way to energy.

Contracts in force July 1 totaled $5,162,000 for 1975-76, with $3,205,000 of the amount earmarked for studies aimed directly or indirectly at improving energy supplies, reports Dr. Charles L. Hosler, dean of the College. But, he adds, support for research in other areas in the College — materials, weather, environment, and natural resources — has increased substantially, too.

The total amount of money provided by the grants and the more than 150 research projects it supports attest, Dean Hosler notes, to the expertise developed by the College's faculty.

As one example of this expertise, he points to a project assigned to the Department of Mineral Engineering by the U.S. Bureau of Mines. The Bureau needed to establish regulations for electrical grounding systems in western open pit metal mines. Because Mineral Engineering has been conducting evaluations of underground coal mine electrical systems for the Bureau over the past five years, the Bureau turned to Penn State's researchers.

The largest single research project in the College has been under way since 1966 with support from the Office of Coal Research, now a part of the U.S. Energy Research and Development Administration.

This research is devoted to examining systematically the influence of coal's composition and structure on its behavior when it is burned or converted to a liquid or gas fuel. Conducted by the College's Coal Research Section, the program is believed to be the only one of its type in the nation.

The program has already developed one of the most comprehensive coal data banks in existence on the characteristics of different types of coals from different parts of the U.S.

Under its most recently received grant, the section researchers expect to expand by four times the present bank of some 350 coal samples.

Also the program is now to be expanded to develop benchscale reactors that will be used to investigate gasification reactions and the combustion characteristics of the chars that will be produced in large quantities in many types of conversion processes.

Other energy-related research projects in the College have to do with a variety of areas: treatment of so-called "black" water — the wastewater that results from coal-cleaning processes, monitoring the stability of underground gas storage reservoirs under gas pressure by listening for microlevel "sounds" from the rock structures containing them; a feasibility study on the development of anthracite mining; preparation of computer simulations of various coal mining operations with the goal of making them safer and more efficient; tertiary (third-stage) recovery of Pennsylvania grade crude oil with surfactant solutions; recovery and commercial use of methane gas from coal mines prior to mining; historical trends in coal utilization and supply; and extracting energy from hot rocks deep in the earth by pumping water through them while, at the same time, dissolving and recovering useful minerals.

Option text

(Continued from page 1)

administrative costs of the reinstatement-readmission costs.

The new proposal will eliminate the current problem of the "D" versus "F" in some courses. It has become common occurrence to have a student come to a faculty member and beg for an "F" rather than a "D" because our recent changes in M-3b now make it possible to repeat only an "F" grade. It does not seem appropriate to have students deliberately try to get a lower grade. It will further eliminate what we might call the bare "D" problem in the Pass-Fail system — the problem which results from a student's decision to take a course and do minimal work to pass, a problem which often leads to the common request of the student: "What is the minimum I must do to get a passing grade?" It will end student attempts, now quite common, to reverse the Pass-Fail decision after discovering the pre-converted grade was higher than expected. It continues to maintain the historical record of what the student has actually done while permitting adjustment in the cumulative average for whatever reason. Finally, the problem with graduate and professional schools which was brought about by the Pass-Fail grade would be resolved because all grades on a student's transcript would be letter grades.

The new system will continue to permit the student to enroll in courses without grade point consideration for all three of the reasons first suggested when Pass-Fail was originally passed. It will further permit reduction of grade pressure by giving students an "out" whether either for one course or for as much as a full term that has somehow been disastrous. It will give students a second chance in a course in which they find themselves in difficulty without, at the same time, removing the possibility of a deferred grade for cogent reasons. Finally, it will permit the good student who has a bad experience in one or more courses to eliminate these courses from grade calculations and have a cumulative average that more properly reflects his abilities. Perhaps the best example is the student who starts out in one college as a freshman, does poorly during that year, discovers that he belongs in another college, and having enrolled in the second college, does very well. Such a student should not be saddled with the low grades which reflect only an error in his first choice. Under present rules, students who have had only honor grades for the last three years often have comparatively low cumulative averages because of low or failing grades in the freshman year.

The Committee proposes that acceptance of this new system should tend to implementation at the earliest possible moment. The implementation should include some kind of pro-rated allowance for those students who may have already used Pass-Fail during their earlier years as undergraduates. Thus, a student who has used nine cred.ts of Pass-Fail would then be permitted to use only 9 credits of Academic Redemption Option. Obviously, all students enrolling after the acceptance of the new rule would be under the Academic Redemption Option and would not be permitted to use rule M-3b or Pass-Fail. Students now enrolled who have used M-3b would not be permitted to use the rule again but would be permitted to maintain the results achieved by its use prior to acceptance of the Academic Redemption Option. The Administrative Committee on Undergraduate Instruction is the agency best qualified to work out details of implementation.

Pass-Fail Committee — Arthur Lewis, Chairman, Donald Epp, George Franz, Evelyn Hovanec, Maria Rovito, William Rabinowitz, Elwood Wagner.

Victorian scholar to give three talks

An eminent Victorian scholar, Dr. Harold I. Shapiro, professor of English at the University of North Carolina, will visit the University Oct. 14, 15 and 16 as a guest of the Institute for the Arts and Humanistic Studies.

As an expert on 19th century literary and art criticism, Dr. Shapiro is the author of "Ruskin in Italy," published in 1972 by Oxford University Press. He has recently been engaged in studies of the fiction of Virginia Woolf.

Dr. Shapiro will present three public talks. He will discuss "Ruskin in Italy" before the Comparative Literature Luncheon at 12:15 p.m., Tuesday, Oct. 14, at the State College Hotel and will speak on "The Two 'Voyages Out' of Virginia Woolf" at 8 p.m. that evening in Room 101 Kern Bldg. An art history lecture on Ruskin and Turner will be presented at 8:30 p.m. Wednesday, Oct. 15, in Room 230 Arts Bldg.

Cooks' tour

(Continued from page 1)

secondary to the exposure to cultural cuisines," Renaghan says.

Students in the class are divided into four-man managerial teams, each of which is in charge of two meals during a term. The managers are responsible for planning the menu, ordering the food, preparing and serving the meal and decorating the dining room. Other class members assist the managerial team on the day of the meal.

An important part of the assignment for the students is researching the cuisine involved in order to devise, cook and present the meal in a manner appropriate to the culture it represents.

Because the emphasis in the course is on management, Renaghan feavas as much as possible up to the class members.

"The students get more responsibility than they can handle," he says, "and most respond very well."

The instructor points out that since the Maple Room is a laboratory he sometimes allows mistakes to happen that he wouldn't if he were running a restaurant. However, regular customers of the dinners say that mistakes are definitely the exception and delicious even the rule.

Last week the class offered a Florentine banquet from the Renaissance and a dinner from Ancient Rome. The remaining meals this month will be based on Eighteenth Century France, Oct. 8, Early England, Oct. 9; China, Oct. 15; and Central America, Oct. 16.

The Central American dinner will attempt to recreate an Aztec festival known as "The Bathing of the Slaves." The dinner will be staged around a ceremony in which one of the students will play the part of a slave. The meal, featuring turkey mole and guacomole with spices specially ordered from Mexico, will be served in large wooden bowls, as was the custom in Aztec Mexico.

In honor of the American Bicentennial, the second half of the term will concentrate on dishes associated with regions of the United States. In previous terms the course has dealt only with foreign cuisines.

"Some people say there's no American cuisine, but I disagree," says Renaghan.

As in the first half of the term, the specified area of concentration will be determined by the students.

Attracting customers, setting a price for the meal and handling reservations are all part of the class. The price depends on the cost of the food, but is usually about $5 a person. Reservations and specific menu information can be obtained at the Food Service Laboratory (865-7441) from 9 a.m. to 4 p.m. Monday through Friday.

WPSX highlights

(Continued from page 3)

Contrasting perspectives on the final days of royal power before the establishment of parliamentary democracy in India provide the focus for **Autobiography of a Princess** Monday, Oct. 13, at 8 p.m. The hour-long film stars Madhur Jaffrey as a self-exiled Indian princess and James Mason as an elderly Englishman who had been her father's private secretary. The two meet to watch old movies and share their memories of Royal India.

The applications of behavioral technology in individual and clinical situations are examined on **The Behavioral Revolution** Tuesday, Oct. 14, at 9:30 p.m. The half-hour documentary looks at three behavior modification projects at the Laurelton State Institution and at an experimental teacher training project being conducted at Penn State by associate professor of child development John Nesworth. The program also features Michael Mahoney, associate professor of psychology.

Tribal art and the people and place that produce it are explored on **The Tribal Eye**, a new seven-part series beginning Wednesday, Oct. 15, at 8 p.m. Hosted by British biologist and filmmaker, David Attenborough, the series visits 16 tribal societies to discover, as Attenborough says "different ways of being human." The first hour-long documentary focuses on the Oksakan, Haida and Kwakiuth Indians of the American northwest coast, showing their masks and totems, and, in particular, the "potlatch," a theatrical event of music and dance in which a great chief proclaims his wealth and status.

Professor Sam Schoenbaum is featured on **Book Beat** Wednesday, Oct. 15, at 6:30 p.m. Schoenbaum discusses "William Shakespeare: A Documentery Life," his new collection of facsimiles depicting the records and documents of Shakespeare's life. The collection explores the ordinary human activities of Elizabethan times and they affected Shakespeare.

John Neville stars as poet John Milton when **Classic Theatre: The Humanities in Drama** presents "Paradise Lost," a modern dramatization of Milton's late years Thursday, Oct. 16, at 9 p.m. At 8:30 p.m., preceding the play, Neville and Harvard humanist Judith Kates discuss Milton's life on **Classic Theatre Preview**.

Open house

(Continued from page 1)

James F. Holahan, 3 p.m., Theatre Arts 100, Dr. Helen Manhull.

Oct. 16 — 9:30 a.m., German 1 and 2, Frank Donahue. 11 a.m., Individual and Family Studies 329, Dr. Francine Deutsch. 1:30 p.m., Arts 1, Warren Smith. 3 p.m., Community Development 7, Dr. Robert H. Sebring.

Computation Center offering seminars through March on its facilities and use

The Computation Center is offering a series of seminars on its facilities and their use beginning Monday, Oct. 13. These seminars are open to the public, and sessions will start at 7:30 p.m. Participants will meet in Room 105, Osmond Lab., except for those attending RJE and APL seminars, which will be held in Keller Bldg.

The seven different seminars are:

1) Introduction to the Computation Center describes services and procedures and discusses basic concepts of the IBM System 370/168 computer and the Operating System OS/370 MVT. This is a two-part seminar to be held Oct. 13 and 16.

2) Introduction to JCL (Job Control Language). This is the language used by the operating system to manage jobs and data. It is especially convenient for manipulating files of data on disks, magnetic tapes, etc. There are sessions on Oct. 27 and 30 and Nov. 3, 6, 10 and 13.

3) Penn State RJE and BAT File System. RJE (Remote Job Entry) is a system whereby a person may use a terminal to create and modify files containing such information as programs, data or text. BAT (Batch and Terminal) system permits the inclusion of one or more RJE files in a job and the routing of specified parts of job output to special types of RJE files. Sessions will meet Nov. 10 and 13 and Dec. 8, 11, 15 and 18. Those interested should obtain a "user identification code" at Room 229 Computer Bldg.

4) Mathematical Computing Programs will introduce some of the library computer programs related to mathematic computations. Included are IMSL subprograms, EISPACK, the Multiple Precision Arithmetic Package, some Monte Carlo programs and data bases and FORMAC7. Seminars will continue and specialize as interests dictate. They are scheduled for Jan. 5, 8, 12 and 15.

5) PSU-WATFIV will demonstrate specific WATFIV features and Penn State conversions. Sessions will be held Jan. 19, 22, 26 and 29.

6) Text Processing at PSU includes programs and techniques for text processing ranging from simple editing to preparation of extensive documents on Feb. 2, 5, 9 and 12.

7) Introduction to APL (A Programming Language). APL is an interactive system accessed through terminals using a unique character set especially powerful for operations on arrays. It also provides a "desk calculator" mode that immediately evaluates arithmetic expressions as they are typed. Sessions will meet March 15, 18, 22 and 25. Those interested should obtain a "user identification code" at Room 229 Computer Bldg.

PENN STATE intercom

Volume 5, Number 7 October 16, 1975

An infarnal communications medium for the acadamic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

Cleaning standards adjusted

As a result of current budget reductions, a complete restudy of the frequency program for various cleaning functions throughout academic and administrative buildings has been made. Certain scheduled tasks are being reduced to assist in meeting the budget cuts, and some of these will be noticed by building occupants. These adjustments will include reduced emptying of wastebaskets and ashtrays, reduced dusting of furniture, etc.

The Office of Physical Plant and the Department of Management Engineering, who are jointly responsible for the overall frequency program, have tried to be careful to insure that the frequency adjustments do not interfere with the daily operation of work areas. If there are any questions or comments regarding the new arrangements after they have been in effect for a reasonable period of time, please call the Office of Physical Plant Service Desk, 865-4731.

Speakers wented

The Office of Residential Life Programs and the Office of Student Activities egein this year are seeking the assistance of afl members of the University community in responding to student needs for extracurricular programming. If any University employees are willing to speak with a group of students about an academic area, hobbies, travels or other special areas of interest, they are asked to complete a form available from and to be returned to Faculty Resource Survey, Office of Residential Life Programs, 335 Boucke, as soon as possible.

From the information received, a "resource list" for use by student groups in planning their activities and programs will be developed. Any questions can be directed to Linda Higginson, 865-3491, or Camilla Colantonio, 865-7973, either of whom will also accept by phone the information sought on the form. Last fall, 275 University personnel indicated a willingness to discuss 736 topics with students.

Laurelton aides sought

The Volunteer Service Center at the University is seeking aides for a Halloween party for mentally retarded residents at the Laurelton State School and Hospitaf from 6:30 to 9.30 p.m. Tuesday, Oct. 28. Escorts are needed to help Laurelton residents during the activities, which include live entertainment, carnival games, costume judging and sing-alongs. Transportation will be provided by the VSC. Those interesfed in participating in the event should contact the center af 203 Hetzel Union Bldg. or call 865-3431 no later than Monday, Oct. 27.

Penn State to host meet

Penn State has been selected to host an Olympic qualifying gymnastic meet between the men's and women's teams of the United States and the USSR. The event will be held next Jan. 29-31 in Rec Hell. The teems will be selected by the gymnestic federations of each country. U.S. gymnastic officials indicate that the American teams must make a strong showing against the Soviet squads to earn one of the 12 team berths at the Montreal Olympics. The Soviets have already qualified.

Middle East subject of talk

Prof. Daniel Dishon of Tel Aviv University will speak on "The Interim Agreement: A Stage of Development in the Arab-Israeli Conflict" Thursday, Oct. 23, at 8 p.m. in Room 112 Kern Bldg.

His lecture, which is open to the public, is sponsored by the Middle East Studies Committee of the College of the Liberal Arts.

An internationally known expert on Arab and Middle Eastern affairs, Prof. Dishon has been senior research member of the Shiloah Center for Middle Eastern and African Studies of Tel Aviv University since 1967. He is editor of the center's annual publication, "Middle East Record."

During his two-day visit, Prof. Dishon will meet with classes in history political science and religious studies. His speaking tour has been arranged by the American Professors for Peace in the Middle East. This organization is working with several faculty and staff members to organize a Penn State chapter. Anyone interested in joining may contact Dr. William Rabinowitz, professor of educational psychology, at 865-1246.

African Studies Forum

Dr. Robert C. Mitchell, associate professor of sociology, will speak at the second African Studies Forum of the Fall Term, to be held Wednesday, Oct 22, at 7.30 p.m. in the Walnut Bldg. Cultural Center.

His subject is "A Black Prophet and White Religion: Religious Change in Southwest Nigeria."

A member of the faculty since last December, Dr. Mitchell has traveled extensively in Africa and has made a special study of the sociology of religious change in Nigeria.

He is a graduate of the College of Wooster, and earned his M.A. and Ph.D. degrees in sociology at Northwestern University. Prior to coming to Penn State, he was a visiting professor at the University of Pennsylvania and an associate professor at Swarthmore College.

The African Studies Forum sponsors two meetings each term for discussion among students, faculty and members of the community interested in Africa. Additional information may be obtained from Dr. Cyril Griffith, 117 Old Main, 865-0458.

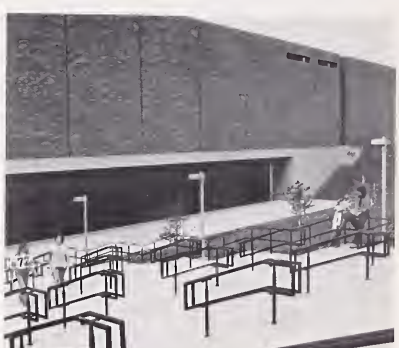
Hallowell will present slides

H. Thomas Hallowell Jr., a member of the University's Board of Trustees, will present a slide show titled "My African Wild Animal Friends," the record of e photographic safari, at a meeting of the Color Slide Club Monday, Oct. 20, at 7:30 p.m in Room 112 Kern Bldg. Chairman of the Board of Standard Pressed Steel Co., Hallowell was first named o Penn State trustee in 1950 and served as vice president of the University's Board from 1970 to 1973. The public is invited to view the program.

Platform tennis courts available

Six outdoor platform tennis courts are available at University Park for use by students, faculty and the public. Located adjacent to the Tennis Bldg., they are available daily from 8 a.m. to 7 p.m. without advence reservation. Equipment is available from the Penn State Tennis Shop, and fees for use of the courts are based on 90 minutes of play. Faculty and student rates are $2 per person for singles and $1 per person for doubles.

(Continued on page 4)



New Intramural Bldg. will be formally dedicated October 23

The new Intramural Bldg., located on Curtin Rd., north of Shields Bldg., will be formally dedicated at 1.30 p.m. Thursday, Oct. 23.

Dr. Robert J. Scannell, dean of the College of Health, Physcal Education and Recreation will preside at the ceremony, which will be highlighted by an address by President John W. Oswald.

Dr. Oswald will turn over the keys of the facility to Clarence "Dutch" Sykes, director of the Division of Recreational Sports.

On Sunday, Oct. 26, from 2 to 4 p.m., the public is invited to an open house at the building.

The Intramural Bldg. houses 6 basketball courts, 12 racketball-handball courts, 2 volleyball courts and 4 badminton courts. In addition, there is a jogging track, a wrestling room, a weight-training room (with half of the equipment specially-designed for women), a general activities room, a classroom, a first aid room, storage space for club sports equipment, and offices for the coordinators of the club sports program, women's and coeducational intramurals, and men's intramurals.

There are general locker rooms for men and women, a faculty men's locker room and an Intramural Bldg. staff locker room.

Locker assignments for the faculty men's locker room, which includes 200 spaces, will probably be made by the end of the Fall Term. An announcement will be issued at that time.

According to Sykes, there is little wasted space in the building.

"We are very proud of the total space that has gone into play areas," he says. "We've kept support areas as small as possible."

Sykes points out that efforts are being made to make the play areas available to a large number of people. The Intramural Bldg. is open from 7 a.m. to 11 p.m., seven days a week.

Fairbank to speak on China

Dr. John K. Fairbank, professor of history at Harvard University, will be a guest of the Institute for the Arts and Humanistic Studies Tuesday and Wednesday, Oct. 21 and 22.

At 8 p.m., Tuesday in Room 121 Sparks Bldg., he will conduct a colloquium for history and other interested faculty and graduate students on "Continuities and Innovations in a Revolutionary Process: The Case of China." He will lecture to a combined class on "Intellectual and Political Dimensions of Chinese Nationalism" in Room 111 Chambers Bldg. Wednesday during the fourth period, 12:45 to 2 p.m., and all interested faculty and students may attend.

"The Chinese Revolution and American Policy" will be the subject of Dr. Fairbank's public lecture at 8 p.m. Wednesday evening in the HUB assembly room.

Dr. Fairbank, who is chairman of the Council on East Asian Studies at Harvard, has been at that University since 1946 and was a leader in the development of East Asian academic and research programs. A graduate of Harvard, he earned his doctorate at Oxford and has received honorary degrees from the University of Wisconsin, Korea University, Oberlin College and the University of Toronto.

He was president of the Association for Asian Studies and of the American Historical Association. The latter group has established the John King Fairbank Prize, which is awarded every other year for the best book manuscript on East Asian history.

Dr. Fairbank's own books include "The United States and China" and "Trade and Diplomacy on the China Coast." He is also the co-author of "East Asia: Tradition and Transformation."

PENN STATE COLLECTION

Faculty notes

Five faculty members have been awarded research fellowships for winter and spring terms by the Institute for the Arts and Humanistic Studies. They are:

Ernest B. Lowrie, associate professor of religious studies, for research on the philosophical background of Harvard College.

Denise and **John T. Carmody,** assistant professors of religious studies, for research on "The Male-Female Polarities to Ultimate Reellty in the Modern World Religions."

John A. Cook, professor of art, for creative work in sculpture.

Eleanor Zygler, associate professor of art, for creative work in painting.

Dr. Ronald A. Pursell, associate professor of botany, has been elected to a two-year term as president of the American Bryological and Lichenological Society. One of the country's leading authorities on mosses, Dr. Pursell is currently completing a taxonomic treatment of certain families of the plants for a manual on the Moss Flora of Mexico, edited by Dr. A. J. Sharp of the University of Tennessee, and is also working on a taxonomic re-evaluation of some species in the Hawaiian flora. Dr. Pursell also serves on the governing board of the American Institute of Biological Sciences and is a member of the British Bryological Society, the Nordic Bryological Society, the American Society of Plant Taxonomists and the International Association for Plant Taxonomy.

Dr. Peter C. Fishburn, research professor of management science, will participate in an International Institute of Applied Systems Analysis workshop conference on decision-making with multiple conflicting objectives to be held in Laxenburg, Austria, during the week of Oct 20-24 Thirty scientists from 14 countries will attend the conference. Dr. Fishburn has been invited to present a paper on multiattribute utility theory and to prepare an integrative chapter on approaches to decision-making with multiple conflicting objectives for inclusion in a conference volume. He will be attending the workshop as a guest of the Institute.

An article by **Dr. Stephen J. Cimbata,** associate professor of political science and associate director for academic affairs at the Delaware County Campus, has been selected for inclusion in a forthcoming book, "Foreign Policy Analysis," which is being edited by Richard L. Merritt. Dr. Cimbata's article, which was originally published in "Policy Studies Journal," is entitled "Policy Studies and Foreign Policy: Emphases and Cautions."

Dr. Stewart W. Bither, professor of marketing, will also assume the position of director of the Master of Business Administration Program in his College. A member of the faculty since 1972, Dr. Bither received the Penn State MBA Association's Teaching Excellence Award last year. He earned his A.B. from Dartmouth College, his MBA from the Amos Tuck School of Business Administration at Dartmouth, and his PhD. from the University of Washington. He will devote special attention to curricular matters in his new post.

Dr. Jean Brenchley, assistant professor of microbiology, presented a seminar on "Regulation of the Ammonia Assimilatory Enzymes in Klebsiella and Salmonella" at the Department of Microbiology in the University of Virginia's School of Medicine. She also spoke on "Regulation of Glutamine and Glutamate Synthesis In Klebsiella and Salmonella" before the Department of Microbiology at the University of Cincinnati Medical Center.

Penn State women's track and cross country coach **Christine Brooks** has been invited to a training camp for Olympic athletes Dec. 26-30 in Gainesville, Fla. Brooks has a grant from the Olympic Development Committee to study the training methods and competitive techniques used in women's track and field. Last June she filmed America's top women in the high jump, hurdles and middle distance events during the AAU nationals. Her preliminary research findings prompted the invitation from the Olympic Development Committee.

"The Economics of the Corporate Economy" by **Dr. James B. Herendeen,** professor of economics, has been published by Dunellen Publishing Co. The book presents a comprehensive view of the economics of the corporate economy and discusses the policy implications of this analysis. The corporate economy, Dr. Herendeen explains, refers to an economic system dominated by managerial enterprises — modern large corporations with widely dispersed stock ownership where effective control of the corporation rests with corporate managers. This area of economics is becoming increasingly important at both the theoretical and applied levels.

There is a growing awareness, according to Dr. Herendeen, that traditional price theory gives only limited insight into the very important social questions regarding an economic system dominated by the large corporation. This book is an attempt to relate the theory of the firm to the organizational, motivational and institutional setting of the corporate enterprise.

Topics covered include goals of the enterprise, review of traditional and managerial models of the firm, growth maximizing and value maximizing models, pricing policy, advertising, the behavior of corporate profits, dividend policy and the political economy of corporate capitalism.

Dr. Herendeen received his B.S. at Cornell University, his M.S. from Iowa State University, and his Ph.D at Penn State. His research and teaching interests include microeconomic theory, macroeconomic theory, theory of corporate enterprise and money and banking. A member of the faculty since 1963, he is the author of a previous book, "Modern Political Economy: Ideas and Issues."

Dr. **Budugur Lakshminarayana,** professor of aerospace engineering, presented a paper on "The Nature of Flow Distortions Caused by Rotor Blade Wakes" at a meeting of the advisory group for research and development of the North Atlantic Treaty Organization on "Unsteady Phenomena in Turbomachines" in Monterey, Calif., last month. The meeting, attended by specialists from various NATO countries, was organized to disseminate information on the effects of unsteady flow on jet engine performance and on the ways that this information can be transferred to turbomachinery design.

Obituary

Charles Austin Eder, **professor emeritus** of civil engineering, died Oct. 3 in San Antonio, Texas, at the age of 80. A member of the University faculty from 1922 to 1955, he also served as State College Borough engineer from 1943 to 1946.

After graduating from Nanticoke High School, Eder received the B.S. and M.S., both in civil engineering, from the University. He was a sponsor for Triangle fraternity and for more than 50 years served as secretary for the Penn State Class of 1916.

Two in E&MS mark 25 years



Dr. Keith



Dr. Rodgers

Two faculty members of the College of Earth and Mineral Sciences, **Dr. MacKenzie L. Keith** and **Dr. Allan L. Rodgers,** have received their 25-year chairs and plaques from the University.

Professor of geochemistry and since 1956 director of the College's Mineral Conservation Section, Dr. Keith earned his B.Sc. in mining geology at the University of Alberta. His M.Sc. in geology was granted by Queens University and his Ph.D., also in geology, by the Massachusetts Institute of Technology.

Dr. Keith began his professional career as a lecturer and assistant professor of geology at Queens University in Kingston, Ontario, remaining there from 1940 to 1947. He then spent three years as a petrologist at the Geophysical Laboratory of the Carnegie Institution of Washington.

During his years in Canada, his work was concerned mainly with petrology, geologic mapping and industrial minerals and included 13 field seasons with the Geological Survey of Canada, the Ontario Department of Mines and various companies.

Beginning in 1947, Dr. Keith's interests switched to studies of high temperature phase equilibria relevant to experimental petrology and to refractory materials. This work was begun when he was in Washington and continued after he came to Penn State.

In 1957 and 1958, two new lines of research were started by Dr. Keith, both related to Pennsylvania mineral resources and the newly-formed Mineral Conservation Section. One investigation, relevant to the occurrence and qualities of coal and refractory clay, etc., dealt with trace element and organic geochemistry of sedimentary rocks. The research was supported by the National Science Foundation for a number of years, e mass spectrometer laboratory was established for measuring carbon and oxygen isotope ratios of minerals, and criteria were developed for differentiating marine sediments from continental freshwater sediments and for tracing ancient shorelines.

The second long-term project was aimed at developing methods of geochemical prospecting by trace metal analysis of stream sediments. That work is still being carried on with several colleagues, and the present investigation is concerned with methods of searching for uranium deposits.

A recent and entirely different primary interest of Dr. Keith's is an evaluation of evidence for and against the popular theory of Plate Tectonics and of continental drift by movement of rigid plates. The contrary evidence is widely neglected, he believes, and may form the seeds of the next revolution in the earth sciences.

Dr. Rodgers, who is professor of geography, obtained his B.S. in economics from City College of New York in 1942 and then spent three years in the United States Navy, where he rose to the rank of Lieutenant. He earned both his M.A. and Ph.D. in geography at the University of Wisconsin

After graduation, he joined the faculty of the University of Oklahoma as an assistant professor and taught there from 1948 until 1950. During his tenure at Penn State, he served as head of the Department of Geography from 1963 until 1967 and also was chairman of the Russian Area Program. He was a Counsellor of the Regional Science Association from 1959 to 1962.

Dr. Rodger's research interests have centered around economic geography — industrial location and regional economic development — particularly the problems of slow growth and stagnant areas within such so-called developed nations as Italy and the USSR. Another interest of Dr. Rodgers' is the socio-economic geography of the Soviet Union.

Dr. Rodgers has been active in the Association of American Geographers, serving as head of its Census Committee. He has been a member of several program committees for national AAG meetings and is program chairman for the 1976 meetings of the Association. He has served as a consultant to the National Science Foundation on research proposals in the social sciences and to the Office of Education on educational institutes. He has also been a consultant to the Council of Graduate Schools for evaluation of Ph.D. programs in geography.

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Chang analyzes policy-making process in China

Who makes policy in The People's Republic of China?

Not just Chairman Mao, because enormous as his power is, he does not always have his own way, says **Parris H. Chang** in his new book, "Power and Policy in China."

Associate professor of political science, Dr. Chang has made two visits to the Chinese mainland and spent more than seven years analyzing source materials in preparing to write his book. It was published by Penn State's Press.

As a result of his studies, he concludes:

—Policy-making in China has involved a complicated conflict and consensus-building process, not unlike political processes in the Soviet Union and the United States.

—Although Mao played an extremely important role in the system, he was frequently blocked and frustrated by other leaders, and he was not always "in command" as some scholars have maintained.

—On various occasions as Mao maneuvered to push his policies, he sought "outside support" to overcome his opponents at the center. His actions thus broadened participation in the system and climaxed in the Cultural Revolution when he called on the army to control the Red Guards. Opening the floodgate to military intervention, Mao now finds himself plagued by the refusal of army leaders to "return to the barracks."

—Despite Mao's great power, policy was significantly influenced by debates and conflicts among China's leaders. The major shifts in policy followed an oscillating pattern between conservative and radical poles as a result of shifting coalitions and balance of power in the decision-making councils.

—Leaders and cadres at the provincial and lower levels did have an effect on policy during the implementation phase in a variety of ways, even if they did not directly participate in its formulation.

Dr. Chang examines China's policy-making process in the context of five major policy issues, which he selected because they had received substantial press coverage, thus making detailed analysis possible. His case studies include the 12-year agricultural program, administrative decentralization, the commune movement, the socialist education program and ideological rectification.

Among the source materials he used in preparing the book were the speeches of party leaders, official statements, and documents and regulations issued by the Chinese Communist Party and the government. These were supplemented by secret Chinese Communist documents and unpublished speeches by Mao that have become available outside of China, Red Guard posters and newspapers, refugee interviews, studies made by scholers on China, and information gleaned from talking to Chinese officials during his trips to China.

"It would be wrong to regard all information in the Chinese mass media as mere propaganda," Dr. Chang notes. "No ruling group can rule by coercion alone; to govern a big country like China and to try to persuade the vast Chinese population to support its policies, the Chinese Communist Party has constant need to communicate its directives to the masses, and this is done mainly through the mass media."

The author of numerous scholerly articles end papers on China as well as of an earlier book, "Radicals and Radical Ideology In China's Cultural Revolution," Dr. Chang is a native of Taiwan. He received his baccalaureate degree from National Taiwan University, his master of arts degree from the University of Washington and his Ph.D. in comparative politics from Columbia University.

He has been a member of the faculty since 1970 and earlier this year made a lecture tour through Japan at the invitation of the Japanese Ministry of Foreign Affairs.

University Park Calendar

October 16-26

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, Oct. 16
Commons Videotape showing, 12 noon, Kern lobby.
University Theatre, "Summer and Smoke," 8 p.m., Pavilion Theatre.
FSHA 410 dinner, Central America, 5:30 p.m., Maple Room, Human Development. Reservations required, 865-7441.
International Student Football Workshop with Joe Paterno and Frank Patrick, 7 p.m., Room 112 Kern.

Friday, Oct. 17
GSA's Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Sports: Soccer, vs. Maryland, 7 p.m., Jeffrey Field.
University Theatre, "Summer and Smoke," 8 p.m., Pavilion Theatre.
"Bread and Roses" A musical documentary of women's history, 8 p.m., Schwab. Sponsored by the Association for Women Students.

Saturday, Oct. 18
Sports: Men's Cross Country, vs. Indiana.
University Theatre, "Summer and Smoke," 8 p.m., Pavilion Theatre.
PSU Symphony Orchestra, 8:30 p.m., University Auditorium.

Sunday, Oct. 19
Penn State Hotel and Restaurant Society Sunday Brunch Buffet, 10:30-1 p.m., Maple Room, Henderson.
Chapel Service, 11 a.m., Eisenhower Chapel. Chaplain Warren Solberg, pastor, David's Church, Millersburg, Pa
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Elder Gerald G. Loyd, pastor, Black Christian Fellowship.
Artists Series, Music from Marlboro, 8:30 p.m., Schwab.

Monday, Oct. 20
Public reception for Angelo Savelli, visiting professor of art and fellow of the Institute for Arts and Humanistic Studies, 7:30 p.m., Zoller Gallery.
"G.B.S. in Love," a dramatic narration by Dan H Laurence, 8:30 p.m., Pavilion Theatre.

Wednesday, Oct. 22
Noontime Concert, 12.15 p.m., Kern lobby.
PSOC ski clinic, 7 p.m., HUB ballroom.
African Studies Forum, 7:30 p.m., Walnut Bldg. Cultural Center. Dr. Robert Mitchell, sociology, on "A Black Prophet and White Religion: Religious Change in Southwest Nigeria"
Musica da Camera, 8:30 p.m., Music Bldg. recital hall.
Artists Series, Four Decades of American Film Festival, "Greed," 8:30 p.m., University Auditorium.

Thursday, Oct. 23
Commons Videotape, 12 noon, Kern lobby

Friday, Oct. 24
Sports: Women's Field Hockey, vs. Millersville, 2 p.m., Pollock Field. Soccer, vs. Navy, 7 p.m., Jeffrey Field.
Folk and Square Dance Roundup, 7:30 p.m., north gym, White.
United Campus Ministry U.N. Day program, 8 p.m., HUB assembly room.
GSA's Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Penn State Brass Chorale and Penn State Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.
Artists Series, Hume Cronyn and Jessica Tandy in "The Many Faces of Love," 8:30 p.m., Schwab.

Saturday, Oct. 25
Sports: Football, vs. Army, 1:30 p.m., Beaver Stadium.

Sunday, Oct. 26
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. James Whiteside, team physician.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Elder Joseph L. Gavlington, pastor, Pittsburgh.
Coleen Bidelspach, soprano recital, 3:30 p.m., Music Bldg. recital hall.
Open house at new Intramural Bldg. 2-4 p.m.

Seminars

Thursday, Oct. 16
Agronomy, 8:15 a.m., Room 301B Ag. Admn. Dr. John Norman, Meteorology, on "Development and Application of Crop Growth Simulation Models."
Microbiology and Cell Biology, 3:55 p.m., Room S2 Frear. Dr. Joseph S. Gots, University of Pennsylvania Medical School, on "Regulation of Purine Nucleotide Metabolism in Bacteria."
Physics, 3:50 p.m., Room 117 Osmond. G. Rawitscher, University of Connecticut, on "Electron Scattering from Nuclei."
Meteorology, 4 p.m., Room 26 Mineral Sciences. Dr. Alistair B. Fraser on "The Mirage, the Green Flash, and Theological Optics."
Chemistry, 12:45 p.m., Room 333 Whitmore. Albert L. Allred, Northwestern University, on "Polysilanes."
Computer Science, 4 p.m., Room 325 Whitmore. Ravi Sethi, computer science, on "Correct Computation Rules for Recursive Languages."
Computational Center, 7:30 p.m., Room 105 Osmond Leb. "Introduction to the Computation Center (2)."

Friday, Oct. 17
Organizational Behavior, 3 p.m., Room 229 Moore. Joseph Obradovic, University of Zagreb, on "Participation, Theory and Research Results."
Physics, 3:50 p.m., Room 117 Osmond Dr. A. E. Douglas, National Research Council, Ottawa, on "Electronic Spectra of Polyatomic Molecules."

Monday, Oct. 20
Ecology, 4 p.m., Room 101 Kern. Dr. Gordon Orians, biology, University of Washington, Seattle, on "Mates and Real Estate In Marsh Nesting Blackbirds."
Biochemistry, 11:10 a.m., Room 101 Althouse. Dr Roy Whistler, Purdue University, on "Thiosugars and Their Interesting Biochemical Applications."
Organic Chemistry, 8 p.m., Room 333 Whitmore. Dr Lloyd M. Jackman on "Organic Reactions of Some Transition Metal Complexes."

Tuesday, Oct. 21
Air Pollution Control, 2:20 p.m., Room 140 Fenske. Mary E Shaw, research aide, Center for Air Environment Studies, on "Effect of Altered Gaseous Environment on the Lung."
Biochemistry, 11:10 a.m., Room 101 Althouse. Dr. Roy Whistler, Purdue University, on "Water Soluble Polysaccharides of Increasing Industrial importance."
Inorganic Chemistry, 8 p.m., Room 333 Whitmore Dr Greg Geoffroy on his research interests: synthetic organometallic chemistry, organometallic photochemistry, and homogenous catalysis.
Psychology, 1:15 p.m., Room 123 Chambers. Dr. George Guthrie on "Malnutrition and Mental Development" and showing a film, "Big Problems for Little People."
Analytical Chemistry, 12:45 p.m., Room 333 Whitmore. G.W. Goodtoe on "Ion-Molecule Reactions and Mass Spectrometry."
Plant Pathology, 9:45 a.m., Room 213 Buckhout. Harry Smith on "Influence of Fertilizer on Plants Exposed to Sulfur Dioxide"
Engineering Science and Mechanics, 4 p.m., Room 215 Hammond. Dr. Richard Hoffman, physics, Case Western Reserve University, on "Mechanical Properties of Thin Films."
Comp Lit Luncheon, 12:15 p.m., Presidential Room, Hotel State College Audrey Rodgers, English, on "Eliot in the '70s."

Wednesday, Oct. 22
Fuel Science, 4 p.m., Room 301 M.I. Dr. Richard Gordon, mineral economics, on "The Future of Coal: A Skeptical View Revisited"

Thursday, Oct. 23
Agronomy, 8:15 a.m., Room 301A Ag. Admin. Dr. Gary Pick, Cornell University, on "Development and Application of an Alfalfa Simulation Model."
Chemistry, 12:45 p.m., Room 333 Whitmore. Bert L. Vallee, Harvard Medical School, on "Conformation and Function of Carboxypeptidase."
Microbiology and Cell Biology, 3:55 p.m., Room S2 Frear. Dr Martin S. Hirsch, Infectious Disease Unit, Massachusetts General Hospital, on "Immunological Activation of Endogenous Viruses."
Philosophy, 4 p.m., Room 151 Willard. Dr. Donald P. Verene on "The Science of Imaginative Universels and the Philosophy of Symbolic Forms."
Engineering Acoustics, 4 p.m., Room 73 Willard. Robert L. Cohen, grad. asst., Garfield Water Tunnel, on "Digital Holography with Applications to Acoustics."
Meteorology, 4 p.m., Room 26 Mineral Sciences. William O'Connor, grad. student, on "Stream Function Representaiton for Quasi-Geostrophic Flow in a Differentially Healed, Rotating Annulus."
Anthropology, 3:30 p.m., Room 107 Social Science Bldg. James W. Hatch and Dr. Bennett Dyke on "Ceramic Life Tables: Testing Archaeological Assumptions with Demographic Methods"
Computer Science, 4 p.m., Room 325 Whitmore. Dr. Jack Helter, SUNY, on "The Orphos Management Information System."

Meetings

Saturday, Oct. 18
American Association of University Professors, Pennsylvania Division Annual Meeting, Jeanette Reibman, chairperson Senate Education Committee, on problems of higher education, 9 a.m., Room 101 Kern. Dr. Joseph Duffey, AAUP general secretary, on "The AAUP Approach to Collective Bargaining," 11:15 a.m., Room 101 Kern. Open to public.

Monday, Oct. 20
Color Slide Club, 7:30 p.m., Room 112 Kern. H. Thomas Hallowell on "My African Wild Animal Friends."

Tuesday, Oct. 21
Tau Beta Pi, engineering honorary, 7 p.m., Room 212 Hammond. Tutoring session.

Wednesday, Oct. 22
AWS, 7 p.m., Room 225 HUB.

Thursday, Oct. 23
Academic Assembly, 7 p.m., HUB reading room, Pass/Fail and academic redemption option with Dean Lewis and Pass/Fail Committee of the University Senate.

Sunday, Oct. 26
Interlandia Folk Dance Club, 7:30 p.m., south gym, White.

Films

Wednesday, Oct. 22
GSA Commonspace Theatre, "David and Lisa," 7:20 and 9:30 p.m., Room 112 Kern.

Thursday, Oct. 23
"Kata," African film, 7:15 p.m., Walnut Bldg. assembly room. Sponsored by Black Studies, French Department and Cultural Center.
"Run with Me," written, produced and directed by Christian Stoianovich, instructor of theatre and film, 8 p.m., HUB assembly room, along with other films sponsored by the Dept. of Theatre and Film.

Friday-Saturday, Oct. 24-25
"The Man" and "The Telltale Heart," 7 and 9:30 p.m., Walnut Bldg. assembly room.

Lectures

Wednesday, Oct. 22
William Katavolos, architect, planner, industrial designer, Pratt Institute, on "Architecture of the Future," 7:30 p.m., Room 115 Electrical Engineering West. Sponsored by the Dept. of Architecture.
Professor John Fairbank, Harvard University, on "The Chinese Revolution and American Policy," 8 p.m., HUB assembly room.

Thursday, Oct. 23
Professor Daniel Dishon, Tel Aviv University, on "The Interim Agreement. A Stage of Development in the Arab-Israeli Conflict," 8 p.m., Room 112 Kern Sponsored by the Middle East Studies Committee.

Exhibits

Museum of Art: Panel Paintings from the Samuel H. Kress Collection of the Allentown Art Museum. Drawings from the Permanent Collection. 200 years of Royal Copenhagen Porcelain, opening Oct. 26.
HUB Gallery: Homecoming Exhibit (old photographs from Pattee, Rec Hall and La Vie), until Oct. 23. U.N. Exhibit, opening Oct. 24
Kern Gallery: Jackie Battenfield, weavings, until Oct. 18. Renascence Gallery, opening Oct. 19.
Cultural Center, Walnut Bldg.: An exhibit of mixed media, the work of the New York Chapter of the National Conference of Artists.
Pattee Library: Fine feather jewelry, weavings and spinnings from State College guild, main lobby. Prints, Mary Hamilton, circulation lobby. Drawings, Dr. Paul Edmonston, east corridor lobby.
Chambers Gallery: Art Department Student Group Show. Gold and silver by students of SUNY at New Paltz. Both opening Oct 20 and continuing through Nov. 14.
Zoller Gallery: Savelli at Penn State, opening Oct. 20.

Arts roundup

"G.B.S. in Love"

"G.B.S. in Love," a dramatic narration by Dan H. Laurence, will be presented at the University by the Institute for the Arts and Humanistic Studies on Monday, Oct. 20, at 8:30 p.m. in the Pavilion Theatre.

Laurence has been fascinated by George Bernard Shaw ever since, early in his theatrical career, he played in "Captain Brassbound's Conversion." Son of a silent motion picture actress, he made his Broadway debut at the age of twelve and performed professionally until World War II, when he joined the Fifth Air Force as a radar specialist.

When he turned to college teaching in 1950, he maintained his theatrical involvement by directing lavish college musicels. He served as professor of English at New York University until 1970, when he resigned to concentrate on Shavian scholarship.

Laurence is literary advisor to the Shaw Estate as well as its official bibliographer. He edited "The Collected Letters of Bernard Shaw" and the seven-volume definitive edition of Shaw's "Collected Plays with their Prefaces." He has also edited several volumes of Shaw's uncollected writings, including "How To Become a Musical Critic," "Platform and Pulpit" and "The Matter with Ireland." He is co-author, with Leon Edel, of a comprehensive bibliography of Henry James.

During the past two years, he has toured the United States and Canada with his one-man "G.B.S. in Love," based on the letters exchenged between Shaw and Alice Lockett when the playwright was a young man of 25. Lockett was a nursing student whose letters show that she had grave doubts of Shaw's ever amounting to much!

Admission to "G.B.S. in Love" is free, but tickets will be required. They may be obtained at the Playhouse box office from 1 to 6 p.m through Saturday, Oct. 18. Any remaining tickets will be available at the door of the Pavilion Theatre one hour before performance time.

Marlboro concert

Six musicians will be peforming in the Artists Series Music from Marlboro Concert Sunday, Oct. 19, at 8:30 p.m. in Schwab Auditorium. Soloists include Alexander Helter, bassoon; David Singer, clarinet, Robert Routch, horn; Paul Schoenfield, piano; Rudolph Vrbsky, oboe, and Judith Mendenhall, flute. The program includes Villa-Lobos' "Quintette en forme de Choros," Gioacchino Rossini's "Quartet No. 4 in B-flat Major," Elliott Carter's "Eight Etudes and a Fantasy" and Beethoven's "Quintet in E-flat Major for Piano and Winds," opus 16. Tickets for patrons only will be available Oct. 15 from 11 a.m. to 2 p.m. at University Auditorium and the HUB booth. The general sale begins Oct. 16 from 9 a.m. to 4 p.m. at the same locations.

"Run With Me" showing

"Run With Me," the recent film written, produced and directed by Christian Stoianovich, instructor of theatre and film, which attracted widespread attention at

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Hume Cronyn and Jessica Tandy appear in "The Many Faces of Love" at 8:30 p.m., Oct. 24 in Schwab. Public ticket sale is Oct. 21 at Artists Series HUB Booth or University Auditorium.

Wilkinson award made to Zook



Dr. Oswald congratulates Dr. Zook

Dr. Harry D. Zook, assistant vice president for research, has been presented the 1975 John E. Wilkinson Award for Administrative Excellence.

In presenting the award, President John W. Oswald pointed out that Dr. Zook, as head of the Intercollege Research Programs and Facilities, is concerned with 15 units serving 185 faculty members with departmental affiliations in nine colleges. He also works with 280 staff, clerical and technical service people and 328 graduate students.

All of the graduate students are degree candidates whose work is supported by the Intercollege Research Programs. Expenditures last year, including those for the Applied Research Laboratory, topped $17 million.

Dr. Zook who serves also as associate dean of the Graduate School and professor of chemistry, teaches at least two courses a year.

"He has the unusual ability and willingness to dig out the essential facts in each administrative problem as it arises," Dr. Oswald commented. "He is analytical in his approach to budgetary and personnel problems, and at the same time he provides an essential additional characteristic, that of the academic or professional understanding and point of view."

The $500 award was established in 1970 to be presented annually to an administrator at the University for outstanding achievement in the administrative field. It is made possible by friends of John E. Wilkinson, Bellefonte businessman.

Dr. Zook is a 1938 graduate of the University with a B.S. in chemistry. He received his Ph.D. in organic chemistry at Penn State in 1942 after qualifying for an M.S. in organic chemistry at Northwestern.

He joined the faculty in 1942, served from 1960 to 1965 as assistant head of the Department of Chemistry, and since 1965 has been assistant vice-president for research with responsibility for the Intercollege Research Programs. He was named associate dean of the Graduate School in 1970.

News in brief

(Continued from page 1)

Shenango Valley sponsors trip

Under the sponsorship of the Shenango Valley Campus, 34 high school seniors and four area biology faculty made a Marine Biology Field Trip to Lewes, Del., and Wallops Island, Va., last week. Their experience was part of the program of the Marine Science Consortium, which is composed of colleges and universities in the Middle Atlantic area. Dr. Charles Bursey, associate professor of biology at Shenango Valley, is associate director of the consortium. The trip was funded by the University's Office of Gifts and Endowments.

Bulletin celebrates 45th

What may be Penn State's oldest continuously published periodical, "Earth and Mineral Sciences," is beginning its 45th year this fall. An eight-page bulletin, issued monthly October through June by E&MS, the publication has long been concerned with energy, ecology and the environment. If made its first appearance in October, 1931, under the title "Mineral Industries," the then-name of the College. Currently it circulates free of charge to some 5,000 individuals, educational institutions, libraries, companies and government agencies around the world. Each month the bulletin features two articles written by faculty, plus news of the College's research, instruction and continuing education activities. Dr. Robert Stefanko, assistant dean for continuing education, serves as editorial director, while Mary S. Neilly is editor. Free subscriptions are available on request at 110 Mineral Sciences Bldg.

Chinese cooking class offered

Because of the growing popularity of Chinese cooking, the University will offer a noncredit, five-session course on the subject beginning Oct. 26. The instructor is Dr. Alfred Bobrowsky, senior research associate in the Materials Research Laboratory and an amateur chef with many years of experience in Chinese gastronomy. The course is being conducted by the College of Human Development as a continuing education service, and there is a fee to cover instructional costs. Section 1 will meet from 2 to 5 p.m. and Section II from 6 to 9 p.m. on Oct. 26 and Nov. 2, 9, 16 and 23 in 223 Human Development Bldg. Registration may be made by phoning 865-3443.

White House forms available

Qualified students, faculty and staff members at the University who are between the ages of 23 and 35, may now apply for appointment as a White House Fellow.

Under the program, initiated in 1964, between 14 and 20 highly motivated young Americans are selected to serve as special assistants to the Vice President and to members of the Cabinet and the President's principal staff.

More detailed information about the program, for which applications must be filed prior to Nov. 28, with a deadline for requesting application forms of Nov. 10, may be obtained from Dr. Richard G. Swalls, Jr., director of Career Development and Placement Center, 4th floor, Boucke Bldg., or by writing the President's Commission on White House Fellowships, Washington, D.C., 20415 (202 382-4661).

Stream map on sale

Hunters and hikers wanting to explore some of the 3,000 charted streams of Pennsylvania may find handy the Stream Map of the Commonwealth. The map, which is about three feet by five feet, gives the names and locations of major mountains, valleys, lakes, dams, swamps and reservoirs. It is published by the Agricultural Experiment Station and is available for $1.05, tax included, from Stream Map, Box 6000, University Park, Pa. 16802. In ordering, please indicate whether you want the map flat or folded. Checks or money orders should be made payable to the University. The map may also be obtained in Room 232, Agricultural Administration Bldg.

Funding opportunities

(201-1) The Public Health Service has issued rules and regulations for a new program, **Special Health Career Opportunity Grants.** These grants will help pay the cost of projects designed to increase the numbers of health-trained people who are disadvantaged or who are veterans and who plan to practice in regions where medical assistance is scarce (Ref. 40FR44814-47, 9/30/75)

(201-2) Guidelines for submitting unsolicited proposals have been released by the U.S Dept of Housing and Urban Development, Office of Policy Development and Research (PD&R). Current focus topics include: building safety and technology, environmental improvement and resource conservation, solar energy and other energy and utility systems, neighborhood revitalization, and strengthening state and local government management capability and public service delivery (Ref. HUD-PDR-88)

Two from E&MS

(Continued from page 2)

Other professional activities have included serving on the editorial board of the journal, "Economic Geography," as a staff member of the Seminar on Modern Italy of Columbia University and as a member of the International Geographical Union Working Group in Industrial Location.

'Co-op ed' coming to campus

Penn State has officially joined the ranks of the more than 900 colleges and universities currently involved in "co-op ed."

A Cooperative Education Office has been set up in 426 Boucke Bldg., with funds from a $35,000 grant provided by the Department of Health, Education and Welfare. Project director is Donald E. Evans, instructor in vocational education.

Cooperative education began at the University of Cincinnati in 1906, but it is only within the last six years that the idea has really taken off. In a co-op ed program, colleges and universities develop curricula with employers to alternate classroom study and on-the-job training. At present, there are several on-going co-op ed offerings in departmental programs at the University.

According to Evans, co-op ed has four components. It must be a wage-earning experience; it is supervised; students are part of an organized educational experience; and it is advantageous if they receive credit and grades for their periods of off-campus learning.

"Our objectives at Penn State," Evans says, "are first to survey students, faculty and employers to determine their level of interest in cooperative education. We will also try to develop a communications network to increase contacts between students, employers and academic units interested in participating in co-op ed offerings. We particularly hope to involve Penn State alumni who might be willing to provide jobs for our students.

"Another part of our charge is to help any interested Colleges or departments to initiate co-op ed within their academic program and to expand and improve ongoing cooperative education offerings. Finally, we will maintain a resource center to increase awareness of the benefits of cooperative education."

Evans plans to set up an advisory committee with representatives from the student body, the faculty and prospective employers. He will also form a professional council composed of faculty members already involved in on-going co-op ed offerings at Penn State.

Persons interested in contacting Evans about the program should call 863-0225.

Nation needs more engineers, Dean says

Unless colleges and universities begin to graduate a lot more engineers, the United States can't become "energy independent," predicts Dr. Nunzio J. Palladino, dean of the College of Engineering.

"For example, to meet current demands, universities should be graduating 35 to 50 percent more nuclear engineers than they are," says Dr. Palladino, who is himself a nuclear engineer.

Dean Palladino commented on a recent study by the National Planning Association of the National Science Foundation, which concludes that if the United States is to reduce its dependence on foreign energy sources at anticipated levels, the employment of engineers in the domestic energy industry may have to double within the next decade.

The biggest increase in demand for engineers by 1985, according to Dean Palladino, will be in the fields of nuclear and mining engineering, followed by electrical, chemical and mechanical engineering.

The National Planning Association report says that 141,000 engineers and scientists were employed in the seven major energy-related industries* in 1970, and by 1985 this total is expected to reach 307,000. The projections indicate that the demand for engineers will be greater than for scientists due to changing technologies in several of the industries under study. These industries are increasing their research and development activities substantially over the 15-year period.

Dean Palladino notes, too, that significant increases in the demand for agricultural engineers will become evident in the next several years to meet the technological challenges of growing, harvesting, processing, preserving and distributing food to feed a growing world population.

*The seven major energy-related industries are: electrical generation; petroleum and natural gas extraction and petroleum refining; natural gas production, transmission, and distribution; coal mining; nuclear power production and radioactive waste disposal; manufacturing of selected durable equipment for electrical companies; and energy-related construction.

Arts roundup

(Continued from page 3)

the September Festival of American Film in Deauville, France, will be shown with other department films at 8 p.m., Thursday, Oct. 23, in the 112 Kern assembly room. The public is welcome to attend these free screenings, sponsored by the Department of Theatre and Film.

Savelli's work displayed

Work by Angelo Savelli, visiting professor of art and fellow of the Institute for the Arts and Humanistic Studies, will be featured in "Savelli at Penn State," a one-man show opening with a public reception at 7.30 p.m. Monday, Oct. 20, in Zoller Gallery. The show continues through Oct. 30. Well known in the United States and Europe, Savelli was born in Italy and moved to this country in 1950. In 1960, he established the painting program at the School of Fine Arts of the University of Pennsylvania. Credited with pioneering the development of white relief lithography, he was in the late 1960s one of the first to use rope in his compositions, and he contributed to the development of the shaped canvas.

Musica da Camera to play

Musica da Camera, University chamber orchestra, will present its annual concert introducing new members for the academic year at 8:30 p.m. Wednesday, Oct. 22, in the Music Bldg. recital hall. Works by Bach, Haydn, Pachelbel and Bloch will be performed by the orchestra, founded and directed by Dr. D. Douglas Miller, associate professor of music. "Brandenburg, No. 4" by Bach, one of six works each featuring a different combination of instruments, will be performed. The fourth concerto emphasizes two flutes, to be played by Overda Page, music instructor, and Steven Robbins, graduate student in flute, and a violin, played by graduate student Davis Brooks. Haydn's "Farewell Symphony," in which the final movement is marked by a physical reduction of musical forces, Pachelbel's "Canon," a work for strings with a reiterating harmonic pattern, and "Concerto Grosso" by Swiss-American composer Ernest Bloch have also been selected for performance.

WPSX highlights

Acclaimed animated films from around the world are featured on **International Animation Festival,** a weekly half-hour series premiering Saturday, Oct. 18, at 11 p.m. Included on the first program are "Inauguration," a Czechoslovakian film about a ribbon-cutting ceremony that goes awry; "Second Class Passenger" from Yugoslavia; and "Evolution," a comic version of the creation from Canada.

One of the last great comedies of the silent era, "The General" starring Buster Keaton, is featured on **The Silent Years** Sunday, Oct. 19, at 10 p.m. Made in 1927, this spoof on Civil War espionage was staged on a scale customarily found only in epics. It includes huge battle scenes interspersed with sequences of Keaton's pantomime. Keaton also directed the film.

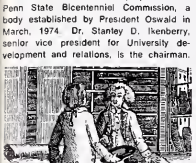
Biofeedback is the subject of **The Behavioral Revolution** Tuesday, Oct. 21, at 9:30 p.m. Dr. Robert M. Stern, a Penn State psychologist and nationally recognized biofeedback expert, discusses several applications of biofeedback in experimental settings.

Ralph Richardson, Tom Courtenay and Juliet Mills star in Oliver Goldsmith's "She Stoops to Conquer" Thursday, Oct. 23, at 9 p.m. on **Classic Theatre — The Humanities in Drama.** The two-hour BBC production is accompanied by a preview with cast member Trevor Peacock and William Appleton of Columbia at 8:30 p.m.

Four major projects set for the Bicentennial year celebration

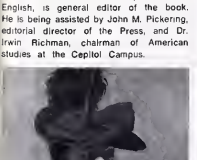
The Bicentennial celebration at the University, which includes numerous projects sponsored by colleges and departments, will be highlighted by four major productions: "Pennsylvania 1776," a commemorative book about Pennsylvania life 200 years ago; "Portraits USA:1776-1976," a special exhibit of outstanding paintings by 60 American artists; "Freedom, Then, Now and Tomorrow," a statewide program of town meetings and lectures on the historical significance and changing nature of freedoms; and "Be Glad Then, America," a work for orchestra and chorus commissioned from Pulitzer Prize-winning composer John LaMontaine.

These events are official projects of the Penn State Bicentennial Commission, a body established by President Oswald in March, 1974. Dr. Stanley D. Ikenberry, senior vice president for University development and relations, is the chairman.



18th century woodcut from "Pennsylvania 1776" shows shopkeeper of the period.

"Pennsylvania 1776," to be published by the University Press later this year, features pictures and little known facts about Pennsylvania at the time when the Declaration of Independence was being framed. There are vignettes on subjects ranging from the location of taverns and iron making plantations to fashion, agriculture, politics and journalism. The volume draws on the specialized knowledge of Penn State faculty and incorporates 18th century illustrations with the text. Dr. Robert A. Secor, associate professor of English, is general editor of the book. He is being assisted by John M. Pickering, editorial director of the Press, and Dr. Irwin Richman, chairman of American studies at the Capitol Campus.



"Lydia Field Emmet" by William Merritt Chase will grace Portraits show.

For the show, "Portraits USA/1776-1976," Dr. Harold Dickson, professor emeritus of art history, has gathered works which he says make up the most impressive loan show of American paintings ever held at the University.

The 60 works, each of museum caliber, will be assembled at the Museum of Art April 18-June 16. Dr. Dickson has prepared a full-color catalog to accompany the show, and he is excited about the selections. Probably his favorite painting is Ralph Earl's "Chief Justice Oliver Ellsworth and Wife." "No great American painting is more richly imbued with the spirit of the nation aborning," comments Dr. Dickson, who tried very hard to encompass the dates in the show's title. The earliest work is John Trumbull's self-portrait from 1777; the latest is a portrait by Andy Warhol of his mother.

Town meetings just might not be as out of date as many people think. The "Freedom: Then, Now, and Tomorrow" project is designed to bring this concept back to Pennsylvania through meetings in communities, large and small. From January through July, communities will host discussions on such topics as civil and economic rights, freedom as it relates to the environment, and political systems.

The program is being conducted as a continuing education project of the Department of History, with the cooperation of other colleges and universities in the State, the Pennsylvania Federation of Women's Clubs and Ag Extension. Discussion leaders for the meetings will be drawn from faculty at Commonwealth Campuses and other Pennsylvania schools.

Directing the project is Dr. Norman A. Graebner, who is spending this year at the University as a distinguished visiting professor of history on leave from his post as Edward R. Stettinius professor of history at the University of Virginia. Dr. Graebner points out that one of the major features of the project is a series of public lectures to be delivered throughout Pennsylvania by nationally prominent scholars.

Speakers include Henry J. Abraham, University of Virginia, on "Freedom and Law;" Thomas C. Cochran, University of Pennsylvania emeritus, on "Freedom and the Economy;" Barry Commoner, Washington University, on "Freedom and the Environment;" Paul K. Conkin, University of Wisconsin, on "Freedom and the First Principles of American Government;" Don E. Fehrenbacher, Stanford University, on "Lincoln, Freedom and the American Civil War;" Victor Ferkiss, Georgetown Univer-



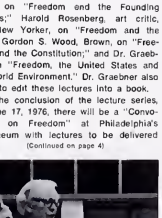
Dr. Graebner

sity, on "Creating Chosen Futures: The New Meaning of Freedom in America's Third Century."

Also: Dante Germino, Virginia, on "Freedom and the Moral Order;" Pauline Maier, Harvard, on "Freedom and the Declaration of Independence," Hans J. Morgenthau, University of Chicago emeritus, on "Freedom and the Future of Government in America," Robert K. Murray, Penn State, on "Freedom and the American Constitutional System;" Merrill D. Peterson, Virginia, on "Freedom and the Founding Fathers;" Harold Rosenberg, art critic, The New Yorker, on "Freedom and the Arts;" Gordon S. Wood, Brown, on "Freedom and the Constitution;" and Dr. Graebner on "Freedom, the United States and the World Environment." Dr. Graebner also plans to edit these lectures into a book.

At the conclusion of the lecture series, on June 17, 1976, there will be a "Convocation on Freedom" at Philadelphia's Atheneeum with lectures to be delivered

(Continued on page 4)



Brown rehearsing LaMontaine work.

PENN STATE intercom

Volume 5, Number 8 October 23, 1975

News in brief

Fall enrollment up

Fall term enrollment of resident instruction students totals 52,976, with 31,583 at University Park. The increases over the final figures for last fall are 1,907 for all locations and 348 for University Park.

Other totals reported for the 1975 fall term are 16,699 at the Commonwealth Campuses, an increase of 1,338, 1,644 at Behrend College at Erie, a gain of 75; 451 at the Hershey Medical Center, an increase of 46; 2,385 at Capitol Campus, Middletown, a gain of 128 students; and 214 at King of Prussia Graduate Center, which reflects a decrease of 28 students.

Associate degree students total 3,887, a 379 increase over a year ago; baccalaureate degree candidates, 39,120, a gain of 1,354, graduate and medical students, 6,862, a 257 increase; and adjunct students, 3,107, a decrease of 83 from last fall.

GSA sponsors kids' party

The second annual Graduate Student Association Halloween Party will be held from 6 to 8:30 p.m. Tuesday, Oct. 28, in the Graduate Commons of Kern Bldg. The party is open to all children, ages two to twelve, of Penn State graduate students, faculty and staff. It is sponsored by the GSA Kids and Kouples Committee with the assistance of various local merchants, interested students, faculty and staff. Featured will be the Nittany Lion, Pappy's Pizza Man and an array of Halloween characters, including a magician, fortune teller, puppeteer, Halloween Santa and a talking pumpkin. Also on the agenda are a haunted hour, children's stories, apple bobbing, pumpkin carving, assorted games and a costume parade. Prizes will be awarded for the most original, funniest, prettiest, and ugliest costumes. Admittance to children will be by costume only.

Occupation tax time again

As it did last year, the University will withhold the Occupational Privilege Tax of $10 from all employees at University Park who are liable for the tax. The University will be able to obtain a two percent discount for prompt payment, and it will pass this savings on to each employee. For faculty and staff who are paid on a monthly basis, the tax of $9.80 will be withheld from pay checks dated Nov. 28. For all other employees — technical service, graduate assistants and wage — the deduction appears on the Nov. 21 pay checks. Any employee wishing to appeal his or her liability for this tax should apply directly to Paul D. Bender, Tax Collector, 250 E. Beaver Ave., State College. Department heads are asked to make certain that their personnel are aware of the tax.

Creative dance offered

Creative dance for children of University faculty, staff and townspeople will be offered by the College of Health, Physical Education and Recreation in White Bldg., under the direction of Patricia Heigel-Tenner, assistant professor of dance. Classes will meet Saturday mornings from 9:30 to 10:30 a.m., beginning Oct. 25 and continuing through Nov. 8. Children from first through fourth grade may attend, and enrollment will be limited to 30. Registration will take place Oct. 25 starting at 9 a.m. prior to class. No fee is involved.

Halloween Candlelight Dinner

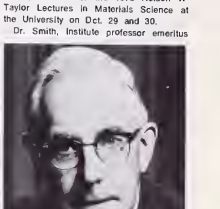
The annual Halloween Candlelight Dinner at the HUB Terrace Room has been scheduled for Thursday, Oct. 30, from 5

(Continued on page 2)

Dr. Smith is Taylor lecturer

Dr. Cyril Stanley Smith, internationally known authority on the historical interaction of science, technology and art, and a member of the National Academy of Sciences, will deliver the 1975 Nelson W. Taylor Lectures in Materials Science at the University on Oct. 29 and 30.

Dr. Smith, Institute professor emeritus



Dr. Smith

at Massachusetts Institute of Technology, will speak on "Aesthetic Curiosity as a Motive in the Discovery of Useful Materials and Techniques" at 4 p.m., Wednesday, Oct. 29, and on "The Historical Interaction between Technology and Pure Science" at 8 p.m. Thursday, Oct. 30. Both lectures will be in Room 112 Kern.

The Taylor Lectures honor the memory of the man who served as professor and head of the then Department of Ceramics at Penn State from 1933 to 1943. After his death in 1965, his widow established the Nelson W. Taylor Memorial Fund to provide for lectures by distinguished scientists.

A native of England, Dr. Smith came to

(Continued on page 4)

Oswald named AAU President

President John W. Oswald on Oct. 21 assumed the presidency of the Association of American Universities, comprising 48 of the leading universities in the country.

He succeeds Dr. G. Alexander Heard, chancellor of Vanderbilt University.

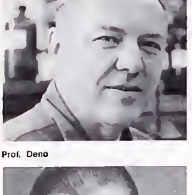
Dr. Oswald a year ago was elected vice president of the association and in that role served also on its Executive and Finance Committees. Dr. Kingman Brewster, president of Yale University, is the new AAU vice president.

Penn State in 1958 accepted the invitation to membership in the association, which recognizes outstanding graduate education and research programs. Twenty-four of the members are public institutions, and the other 24 are private universities. The association considers issues of common interest to the nation's major graduate and research universities. Among those currently under discussion are the financing of universities, support of research and graduate studies, quality of classroom teaching, equality of access to higher education and policies related to government support of research.

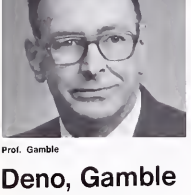
Dr. Oswald is serving also as president of the Pennsylvania Association of Colleges and Universities, comprising the presidents of 117 public and private institutions of higher learning in the Commonwealth.

PENN STATE COLLECTION

Faculty notes



Prof. Deno



Prof. Gamble

Deno, Gamble mark 25 years

Marking 25 years with the University this fall are **Dr. Norman C. Deno,** professor of chemistry, and **Edwin W. Gamble Jr.,** assistant professor of music.

Dr. Deno received his bachelor of science degree from the University of Illinois and master of science and doctor of philosophy degrees from the University of Michigan. He also held a post doctoral fellowship at Ohio State University before joining the faculty at Penn State.

An organic chemist, Dr. Deno's current research interests include the chemistry of oxygen and nitrogen cation radicals, the chemistry of reactants held under mechanical constraint, enzyme mimetic reactions; free radical chemistry in strongly acidic media and selective functionalization of alkane chains, including those on steroids, fats and fatty acids.

During his tenure at the University, Dr. Deno has supervised the research of 15 master's degree and 36 doctoral candidates and has published more than 90 scientific papers.

He teaches both introductory chemistry courses and advanced courses in organic chemistry and in 1963 was the recipient of the Lindback Award for Distinguished Teaching.

A native of Pittsburgh, Prof. Gamble received his B.S. in music education from Indiana University of Pennsylvania and taught instrumental music briefly at Beaver Falls Junior High School before serving in Africa and Italy during World War II as a medic in the U.S. Army.

While employed as a staff pianist-arranger at a local radio-tv station, he earned the B.Mus. degree at the Cincinnati College-Conservatory of Music, majoring in French horn under Gunther Schuller and studying conducting with Walter Herrman and Sir Eugene Goosens. His M.Mus. degree was granted at the School of Music, Indiana University at Bloomington, in composition, and while there he also completed the course work for the Ph.D. in music theory before coming to Penn State.

His compositions have been published by the Penn State Press and George Schirmer, Inc., and he was the composer of the orchestral sound track for the Penn State film, "The Painting of a True Fresco."

He is e member of Phi Mu Alpha Sinfonia, Chi Gamma Iota and Phi Delta Kappa.

Dr. Kenneth S. Clarke, professor and chairman of health education, has been elected to the board of directors of the National Safety Council. Dr. Clarke also has been appointed to the Council's governmental relations committee and executive committee for public safety.

Dr. Michael Kiernan, assistant professor of English, has been awarded a National Endowment for the Humanities Senior Research Fellowship for work at the Folger Shakespeare Library in Washington, D.C. during spring and summer terms. Dr. Kiernan is preparing a critical edition of the "Essays" of Francis Bacon and will draw upon the Folger Library's extensive collection of 17th-century manuscripts and printed works for a comprehensive Variorum commentary on the text of the "Essays."

Dr. Richard R. Nelson, Evan Pugh Professor of Plant Pathology, is one of six plant pathologists invited to take part in an international conference dealing with urgent research needs in crop productivity, being held Oct. 20 to 24 in Harbor Springs, Mich. The event is sponsored by the Agricultural Experiment Station at Michigan State University and the Charles F. Kettering Foundation. Dr. Nelson is part of a working group that will prepare a position paper on needs and priorities of world food problems. The conference is part of year-long ceremonies commemorating the 100th anniversary of the founding of the agricultural experiment stations at U.S. land-grant universities.

Dr. Lawrence B. Hendry, assistant professor of chemistry, presented invited lectures this month at the Monell Chemical Senses Center of the University of Pennsylvania and at the Symposium on the Coevolution of Plants and Insects at the Entomological Society of America (ESA) meeting in Philadelphia. He also presented two submitted papers at the ESA meeting on insect chemical messenger systems. The invited talks focused on research Dr. Hendry and his group have conducted on the effects of diet on insect reproduction and Hendry's theory that food plants may control sexual behavior in some insects.

Senate asks new Pass-Fail input

The University Faculty Senate is seeking additional faculty input on recommendations of its Ad Hoc Committee on Pass-Fail.

The Committee's report was introduced and discussed at the Oct. 14 Senate meeting and will be acted on at the Nov. 11 session.

Among its recommendations, the Committee proposes elimination of the current Pass-Fail and course repeat rules and substitution of an Academic Redemption Option.

Under the proposed option, all courses will be taken for a grade and all grades will be recorded on the transcript. In computing the grade point average, however, a student would be able to eliminate grades in courses totaling up to 18 credits.

A number of senators expressed opposition to the proposal during the meeting, with one noting that it would contribute to grade inflation.

Another senator, while agreeing with the principle of giving a second chance to students in academic difficulty, felt that the option would allow those not in academic trouble to achieve higher grade averages.

Arthur Lewis is chairman of the Ad Hoc Committee on Pass-Fail. Members are Donald Epp, George Franz, Evelyn Hovanac, Maria Rovito, William Rabinowitz and Elwood Wagner.

In other business, the Senate discussed proposals from the Subcommittee on Senate Membership which would redefine the criteria for determination of Senate electorate and membership.

The Subcommittee recommended that faculty members who hold research ranks be included in the Senate electorate and that the director of the Division of Undergraduate Studies be an ex-officio member of the Senate. Action on the recommendations is to be taken Nov 11.

The Senate also...

—Heard a report from President John W. Oswald on implementation of recommendations on faculty participation in University governance.

—Discussed the grading system at the Milton S. Hershey Medical Center and postponed action on proposals until the Nov. 11 meeting.

—Returned to committee a proposed policy on corrected grades.



Two paintings by the late Edwin W. Zoller, professor emeritus of art, have been presented to the Earth and Mineral Sciences Museum by the artist's widow, Lucille. Carol A. Fee, Material Sciences secretary, admires "American Cathedral Group — Glass Plant," left, and "Gallizen Mine #3."

News in brief

(Continued from page 1)

to 7:15 p.m. Featured on the menu this year are prime ribs with horseradish sauce, roast turkey and cornbread dressing, sweet and sour ribs, seafood newburg and beef bird with bacon. There will be the usual array of salads and desserts, along with plenty of pumpkin pie. Bonuses include a hospitality table and musical entertainment from Phi Mu Alpha fraternity.

International dinner

The International Council will sponsor an International Dinner at 6:30 p.m. Sunday, Oct. 26, in Room 102 Kern Bldg. The menu includes Chinese egg rolls; Latin American empanadas; Malaysian chicken curry; Philippine pork adobo; simmered beef tranian style; fried rice Palestinian style; paatpuck, a Thai dish of broccoli and beef; alu-kola, Indian chickpeas with tomato sauce; fried plantains from Ghana; and harifa, a Jordanian dessert. Entertainment featuring Chinese and Thai dancers and Philippine, Latin American and Indian music will follow in Room 112 Kern. All this for only $6 a person, with tickets available at the International Center, Kern.

Folk dance workshop

Gretel Dunsing, internationally known folk dance teacher, will present a special workshop Tuesday, Oct. 27, at 7 p.m. in Room 108 White Bldg. She is being sponsored by the College of Health, Physical Education and Recreation. A native of Germany, Mrs. Dunsing is primarily known for her expertise in German, Swiss and other West European dances. In charge of the workshop are Elizabeth Hanley, assistant professor of student recreation, and Harold White, associate professor of health, physical education and recreation, who also conduct the popular Folk and Square Dance "Roundups."

Free film

A free children's film festival and discussion group will be presented by the Free University Saturday, Nov. 1. "The Neighbors" and "The Toymaker" will be shown at 1 and 3 p.m. at the Wesley Foundation, 256 E. College Ave.

Advisory committees reviewed

A review of committees advisory to a member of the central administrative staff has been completed and the committees have been identified to enable the President and his staff to work more closely with the University Faculty Senate.

The review was undertaken in accordance with a recommendation from the Joint Senate Administrative Committee on Faculty Participation in University Governance issued in May, 1974.

The committee recommended that the President and his staff work jointly with the Senate to reassess the composition and function of all advisory and consultive groups in such a manner as to assure that faculty participation in such organizations is channeled, as appropriate, through the Senate or its committees.

In listing the committees, President John W. Oswald said that the review concentrated on identifying those committees designed to obtain representative University-wide faculty inputs and those on which faculty are asked to serve because of their professional expertise in the subject under consideration.

Twenty-eight committees were identified as properly having linkage to the University Faculty Senate, either through the Senate providing nominations from which the responsible administrative officer appoints representatives, or through the ex-officio membership of Senate officers or Senate committee chairpersons. They are:

Russell E. Larson, Provost

Academic Staff Discrimination Review Committee

Advisory Committee on Affirmative Action Program

Advisory Committee on Naming Facilities

Proposal Evaluation Committee

Sebbatical Leaves Committee

University Council

Stanley O. Ikenberry, Senior Vice-President for University Development and Relations

Health Education Planning Committee

Penn State Middle States Accreditation Committee

Richard G. Cunningham, Vice-President for Research and Graduate Studies

Advisory Committee for the Institute for Arts and Humanistic Studies.

Computation Center Advisory Committee

Advisory Committee to Energy Programs Coordinator

Environmental Policy Center Advisory Board

Advisory Committee to the Materials Research Laboratory

Advisory Committee to the Pennsylvania Transportation Institute

Advisory Committee to the Institute for Research on Land and Water Resources

Space Science and Engineering Laboratory Advisory Committee

University Press Committee

Robert E. Dunham, Vice-President for Undergraduate Studies

Advisory Committee to the Developmental Year Program

Administrative Advisory Committee on Foreign Studies

Committee on Proficiency and Placement Testing and Credit by Examination

Raymond O. Murphy, Vice-President for Student Affairs

Associated Student Activities Budget Committee

Career Development and Placement Liaison Committee

University Discipline System Policy Committee

Student Organization Appeals Board

University Appeals Board

Robert G. Quinn, Dean of Academic Instruction for Commonwealth Campuses

Commonwealth Campus Faculty Advisory Committee

Ralph E. Zilly, Vice President for Business

Environmental Quality Board

Faculty Staff Parking Appeals Committee

University Park Calendar

Oct. 23 — Nov. 2

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, Oct. 23
Commons Videotape, "Wolf Trap," 12 noon, Kern lobby.
FSHA 410 dinner, a traditional Missouri farm "Feast," 5:30 p.m., Maple Room, Human Development. Reservations required, 865-7441.

Friday, Oct. 24
Noontime Concert, Phi Mu Alpha "Dixieland Band," 12:30 p.m., Kern lobby.
Sports. Women's Field Hockey, vs. Millersville, 2 p.m., Pollock Field. Soccer, vs Navy, 7 p.m., Jeffrey Field.
Folk and Square Dance Roundup, 7:30 p.m., north gym, Whlte.
United Campus Ministry U.N. Day program, 8 p.m., HUB assembly room.
GSA's Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Penn State Brass Chorale and Penn State Wind Ensemble, 8.30 p.m., Music Bldg. recital hall.
Artists, Isme Cronyn and Jessica Tandy in "The Many Faces of Love," 8:30 p.m., Schwab.

Saturday, Oct. 25
Sports: Football, vs. Army, 1:30 p.m., Beaver Stadium.
Reception opening 200 Years of Royal Copenhagen Porcelain show, 3-5 p.m., Museum of Art.

Sunday, Oct. 26
Chapel Service. 11 a.m., Eisenhower Chapel. Dr. James Whiteside, team physician. Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Elder Joseph L. Gavlington, pastor, Pittsburgh.
Improvisational Theatre, 1 p.m., Room 101 Kern.
Open House at new Intramural Bldg., 2-4 p.m.
Coleen Bidelspach, soprano recital, 3:30 p.m., Music Bldg. recital hall.
International Dinner, 6:30 p.m., Rooms 102 and 104 Kern; after dinner entertainment, Room 112 Kern. Sponsored by the International Council.

Tuesday, Oct. 28
Gallery talk, William Hull, Museum director, on "200 Years of Royal Copenhagen Porcelain," 10:30 a.m., Museum of Art.
Sports: Women's Field Hockey, vs. East Stroudsburg, 3 p.m.
Kids' Halloween Party for children of PSU personnel, faculty and graduate students, 6-8:30 p.m., first floor of Kern. Sponsored by GSA Kids and Koupies Committee and the Graduate Commons
Folk dance workshop with Gretel Dunsing, 7 p.m., Room 108 White. Sponsored by the College of Health, Physical Education and Recreation.

Wednesday, Oct. 29
Noontime Concert, 12 15 p.m., Kern lobby
PSOC Ski Clinic, 7 p.m., HUB ballroom.
Alard String Quartet, 8.30 p.m., Music Bldg. recital hall.

Thursday, Oct. 30
Commons Videotape, 12 noon, Kern lobby.
University Theatre, "The Caucasian Chalk Circle," 8 p.m., Playhouse Theatre.

Friday, Oct. 31
GSA's Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
University Theatre, "The Caucasian Chalk Circle," 8 p.m., Playhouse Theatre.
Peter Bye, cello recital, 8:30 p.m., Music Bldg. recital hall.

Saturday, Nov. 1
Sports: Men's Cross Country, PIAA Championships. Men's Central Collegiate Championships.
University Theatre, "The Caucasian Chalk Circle," 8 p.m., Playhouse Theatre.

Sunday, Nov. 2
PSOC Hiking Club, exploration in Big Kettle and Black Ridge Area of Rothrock State Forest, 9 a.m.
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Joseph Faulkner, sociology.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Elder Gerald G. Loyd, pastor, Black Christian Fellowship.
Orchesis fall concert, "Dance Creations '75," 2:30 and 8 p.m., White Hall Dance Theatre.
Claremont Woodwind Quintet, 8:30 p.m., Music Bldg. recital hall.

Seminars

Thursday, Oct. 23
Agronomy, 8:15 a.m., Room 301A Ag. Admin. Dr. Gary Pick Cornell University, on "Development and Application of an Alfalfa Simulation Model."
Chemistry, 12:45 p.m., Room 333 Whitmore. Bert L. Vallee, Harvard Medical School, on "Confirmation and Function of Carboxypeptidase."
Microbiology and Cell Biology, 3.55 p.m., Room S2 Frear. Dr. Martin S. Hirsch, Infectious Disease Unit, Massachusetts General Hospital, on "Immunological Activation of Endogenous Viruses."
Philosophy, 4 p.m., Room 151 W."ard, Dr. Dudley W. Verene on "The Science of Imaginative Universals and the Philosophy of Symbolic Forms."
Engineering Acoustics, 4 p.m., Room 73 Willard. Robert L. Cohen, grad. asst., Garfield Water Tunnel, on "Digital Holography with Applications to Acoustics."
Meteorology, 4 p.m., Room 26 Mineral Sciences. William O'Connor, grad. student, on "Stream Function Representation for Quasi-Geostrophic Flow in a Differentially Heated, Rotating Annulus."
Anthropology, 3:30 p.m., Room 107 Social Science Bldg. James W. Hatch and Dr. Bennett Dyke on "Ceramic Life Tables: The Archaeological Assumptions with Demographic Methods."
Computer Science, 4 p.m., Room 325 Whitmore. Dr. Jack Heller, SUNY, on "The Griphos Management Information System."
Economics, 3 p.m., Room 101 Kern. Dr. Philip Klein, on "Business Cycles at Home and Abroad."
Mathematics, 4 p.m., Room 102 McAllister. Karel Prikry, University of Minnesota, on "Some Consequences of the Real Valued Measurability of the Continuum."

Friday, Oct. 24
Recreation, 2:30 p.m., Room 101 Kern. Ray Miller, Red Cross National Headquarters, on "Role of Red Cross Program in Recreation and Parks."

Monday, Oct. 27
Biochemistry, 11:10 a.m., Room 101 Althouse. Dr. W. Bardin, Department of Medicine, Hershey, on "The Use of Genetic Mutants to Study the Mechanism of Androgen Action in the Mouse."
Genetics, 3:55 p.m., Room 111 Tyson. Dr. Stephen Fahnstock on "Biochemistry of Gene Expression: The Ribosome."
Entomology, 4 p.m., Room 204 Patterson. Gene A. Jowyk, grad. student, on "Regulation of Growth, Development and Protein Synthesis of the Parasitoid, Hyposoter exiguae' by the Cebbage Looper Trichoplusia ni," and James Sprowls, grad. student, on "Mosquito Survey Results in the Toftrees-State Gameland Drainage Area of Patton Township, Centre County."
Computation Center, 7:30 p.m., Room 105 Osmond. "Introduction to the JCL Computation Center (1)."

Tuesday, Oct. 28
Ceramic Science, 9:35 a.m., Room 301 Mineral Industries Dr. C. Greskovich, General Electric, on "Sintering Convalent Solids."
Plant Pathology, 9:45 a.m., Room 213 Buckhout. Thomas Starkey on "Influence of Light on Plants Exposed to PAN."
ARL, 10:45 a.m., Eric A Walker Conference Room, Applied Science. F. P. Fenlon on "Potential of Nonlinear Acoustics for Directive Underwater Transmission and Reception."
Electrical Engineering, 11 a.m., Room 208 Hammond. Dr. Joseph Clarkson, University of Missouri, on "Metal-Insulator-Semi Conductor Solar Cells."
Solid State Physics, 11 a.m., Room 339 Davey. Dr. Laura Roth, SUNY at Albany, on "Effective-Medium Theory for Disordered Systems."
Biochemistry, 11:10 a.m., Room 101 Althouse. Dr. W. Bardin, Department of Medicine, Hershey, on "Species Differences in the Progesterone Receptor—a Tool for the Understanding of Hormone Action."
Comp Lit Luncheon, 12:45 p.m., Presidential Room, Hotel State College. Don Yoder, University of Pennsylvania, on "Pennsylvenia German Illustrated Manuscripts."
Solid State Physics, 1 p.m., Room 339 Davey. Dr. Lawrence Bonczar, geophysics, on "The Theory of the Temperature Dependence of 2' Order Elastic Constants of Alkali-Halides, and the Experimental Determination of the Elastic Properties of β-Eucryptite ($LiAlSiO_4$)."
Analytical Chemistry, 12:45 p.m., Room 333 Whitmore. J. D. Stutts on "Gas Enthalpimetry."
Air Pollution Control, 2:20 p.m., Room 140 Fenske. Robert A. Field, grad. asst. in nuclear magnetic and air pollution control, on "Particle Charging with a Radioactive Source and Electric and Magnetic Fields."
Physics Colloquium, 3:50 p.m., Room 319 Osmond. Dr. Laura Roth, SUNY at Albany, on "Liquid Metals."
Astronomy, 4 p.m., Room 445 Davey. Dr. T. K. Menon, National Radio Astronomy Observatory, Green Banks, W.Va., on "Extragactastic Sources."
Inorganic Chemistry, 8 p.m., Room 333 Whitmore. Various interests of Dr. Harry Allcock: high polymers, clathrate inclusion adducts and inorganic synthesis.

Wednesday, Oct. 29
Ecology, 3:55 p.m., Room 111 Life Sciences I. Dr. Warren Porter, biology, University of Wisconsin, on "Behavior in Animals as Defined or Set by the Environment."

Thursday, Oct. 30
Agronomy, 8:15 a.m., Room 301B Ag. Admin. Robert Kalmbacher, Ph.D. thesis, on "Establishmnt Practices for Birdsfoot Trefoil and K31 Tall Fescue in Forest Clearings."
Two Cultures Dialogue, noon, Room 189 Materials Research Lab. Dr. Cyril Stanley Smith, M.I.T., on "Aesthetics and Technology."
Chemistry, 12.45 p.m., Room 333 Whitmore Henry F. Schaefer III, University of California, Berkeley, on "Potential Energy Surfaces for Simple Organic Reactions."
Economics, 3 p.m., Room 101 Kern. Dr. Teh-wei Hu on "Health Care in the Peoples Republic of China. An Economist's First-Hand Observation."
Microbiology and Cell Biology, 3:55 p.m., Room S2 Frear. Dr. Dieter Soll, Yale University, on "Studies on tRNA end Aminoacyl-tRNA Synthetases."
Computer Science, 4 p.m., Room 325 Whitmore. Dr. Jack Heller, SUNY, on "The Griphos Management Information System."
Mathematics, 4 p.m., Room 102 McAllister. W. Zetasko, Polish Academy of Science, "On Maximal Ideals in m-Convex Algebras."
Computation Center, 7:30 p.m., Room 105 Osmond. "Introduction to the JCL Computation Center (2)."

Friday, Oct. 31
Physics Colloqulum, 3:50 p.m., Room 117 Osmond. Dr. S. Deser, Brendels University, on "Quantum Theory of General Relativity."

University Schedule

Monday, Oct. 27-Friday, Oct. 31
Sign for Winter Term NDSL, SEOG, BEOG, and University Long Term Loans, Room 108 Shields.

Lectures

Thursday, Oct. 23
Professor Daniel Dishon, Tel Aviv University, on "The Interim Agreement: A Stage of Development in the Arab-Israeli Conflict," 8 p.m., Room 112 Kern. Sponsored by the Middle East Studies Committee.

Wednesday-Thursday, Oct. 29-30
Nelson W. Taylor Lectures in Materiels Science. Dr. Cyril Stanley Smith, member of the National Academy of Sciences, professor emeritus at M.I.T., on "Aesthetic Cuhosity es e Motive in the Discovery of Useful Meteriels and Techniques," 4 p.m., Wednesday; on "The Historical Interection between Technology and Pure Science," 8 p.m., Thursday. Both lectures in Room 112 Kern.

Saturday, Nov. 1
Francis Reid, lighting designer, on "The Role of Stage Lighting." 3 p.m. Playhouse Theatre.

Films

Thursday, Oct. 23
"Xala," African film, 7:15 p.m., Watnut Bldg. assembly room. Sponsored by Black Studies, French Department and Cultural Center.
"Run with Me," written, produced end directed by Christian Stoinovich, instructor of theatre and film, 8 p.m., HUB assembly room, along with other films sponsored by the Dept. of Theatre and Film.

Friday-Saturday, Oct. 24-25
"The Mack" and "The Telltale Heart," 7 and 9:30 p.m., Weinut Bldg. assembly room.

Saturday, Oct. 25
International Council film, "Pretidwandi" (Adversary), 8 p.m., Room 112 Kern.

Monday, Oct. 27
France Cineme, "Alphaville," 7 and 9 p.m., Room 112 Kern.

Wednesday, Oct. 29
GSA Commonsplace Theatre, "Junior Bonner," 7:20 and 9:30 p.m., Room 112 Kern.

Meetings

Thursday, Oct. 23
Academic Assembly, 7 p.m., HUB reading room. Pass/Fail and academic redemption option with Dean Lewis end Pass/Fail Committee of the University Senate.
Society of Engineering Science, 7:30 p.m., Room 201-C Hammond. Dr. L. A. Carpenter, Ionosphere Research Leb., on "Exploration in Space Research."
East Aslen Studies Society, 7:30 p.m., Room 207 Sackett.

Monday, Oct. 27
Panhellenic Council, 6:30 p.m., Wolf Hall.
PSU Society of Student Social Workers, 6:30 p.m., Room 220 Boucke.
Education Student Council, 7 p.m., Room 109 Chambers.

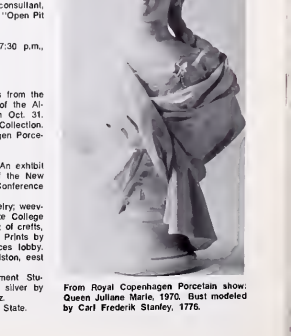
Tuesday, Oct. 28
Senate Council, 2 p.m., Room 101 Kern.
College of Liberal Arts faculty, 3.45 p.m., Room 121 Sparks.
Tau Beta Pi, engineering honorery, 7 p.m., Room 212 Hammond. Tutoring session.
ARHS, 7 p.m., Room 207 Business Admin.
French Club, 7 p.m., Room 124 Sparks. Slide show, "Traveling through France."

Wednesday, Oct. 29
AWS, 7 p.m., Room 225 HUB.
Penn State Mining Engineering Society, 7:30 p.m., Room 26 Mineral Sciences. Bruce A. Kennedy, mining consultant. Golder Associates, Seattle, on "Open Pit Planning and Slope Stability."

Sunday, Nov. 2
Interlandia Folk Dance Club, 7:30 p.m., south gym, White.

Exhibits

Museum of Art: Panel Paintings from the Samuel H. Kress Collection of the Allentown Art Museum, through Oct. 31. Drawings from the Permanent Collection. 200 Years of Royal Copenhagen Porcelain, opening Oct. 26.
HUB Gallery: U.N. Exhibit.
Cultural Center, Walnut Bldg.: An exhibit of mixed media, the work of the New York Chapter of the National Conference of Artists.
Pattee Library: Fine leather jewelry; weavings and spinnings from State College guild, through Oct. 27; exhibit of crafts, opening Oct. 28, main lobby. Prints by Mary Hamilton, lending services lobby. Drawings by Dr. Paul Edmondston, east corridor lobby.
Chambers Gallery: Art Department Student Group Show. Gold and silver by students of SUNY at New Paltz.
Zoller Gallery: Sevelli et Penn State.



From Royal Copenhagen Porcelain show: Queen Juliane Marie, 1970. Bust modeled by Carl Frederik Stanley, 1775.

Arts roundup

Porcelain exhibit opens

An exhibition of porcelain, stoneware and faience pieces from the historical and contemporary collections of the Royal Copenhagen Manufactury, Ltd., Denmark, will open with a public reception from 3 to 5 p.m, Saturday, Oct. 25, in the Museum of Art. The exhibition, circulated by the Smithsonian Institution Traveling Exhibition Service under the patronage of the Ambassador of Denmark, Eyvind Bartels, will be the subject of a gallery talk by William Hulf, Museum director, at 10:30 a.m. Tuesday, Oct. 28, in the Museum, sponsored by the Friends of the Museum. The exhibit features the full range of products of the Royal Copenhagen factory, founded in 1775 and best known in America for its faithful blue and white patterns found on dinnerwares and the annual Christmas plate. Dinnerware, porcelain figures and commemorative and unique art objects are included in the exhibit. Many items are included from the factory's first years, as well as 19th century designs by Arnold Krog, and 20th century works by Patrick Nordstrom, Nils Thorsson and contemporary designers Bodil Buch and Anne Marie Trolle. Examples of the "Flora Danica" service, first commissioned by King Christian VII in 1803 and still produced today copied from the original engravings in the botanical work, will be shown, along with samples of underglaze painting, for which the Royal Copenhagen Manufactory is especially known, showing the decorative styles popular in the latter part of the 19th century. The commemorative plates include a 1908 Christmas plate, and unique stoneware creations show the work of contemporary artists in media produced by the factory. The exhibition will continue on view through Nov 30.

Reid to speak

Francis Reid, British stage lighting designer and consultant and editor of TABS, magazine of theatre lighting, will be in residance at the University Oct. 24 to Nov. 7 under the sponsorship of the Institute for the Arts and Humanistic Studies. Reid will present a public lecture on Saturday, Nov. 1, at 3 p.m. in the Playhouse Theatre. His talk will deal with various aspects of his experience in lighting for the professional theatre. While on the campus, he will be engaged in a number of lectures and discussions planned for theatre classes in stage lighting and design and will also study the University's Theatre Lighting Archives as background for an article on the collection to be published in TABS. Reid, who is vice-chairman of the Society of British Theatre Lighting Designers, has taught at the Canadian National Theatre School and now teaches lighting at the Royal Academy of Dramatic Art. He has had an extensive career as a lighting designer in many of the great theatres of Great Britain and Europe.

Brecht at Playhouse

Currently in rehearsal is the next fall season University Theatre production, "The Caucasian Chalk Circle" by Bertolt Brecht, with 8 p.m. performances scheduled for Oct. 30 and 31, Nov. 1 and Nov. 4 through 8. Author of such critically acclaimed works as "The Three Penny Opera," "Mother Courage" and "The Good Woman of Setzuan," Brecht wrote "The Caucasian Chalk Circle" in 1945. It was his last major work. Father of the epic theatre, his plays make use of pantomime, songs, dance, film projections, etc., all intended to keep the audience aware that they are in a theatre and not participating in real life and thus compel them to a critical rather than an emotional response.

Directing this production is Knox Fowler, professor of theatre arts, whose previous University Theatre productions include, "The Breasts of Tiresies," "The Wedding on the Eiffel Tower," "Twelfth Night," and for the Festival of American Theatre, "Wonderful Town." Designing the scenic elements of "Chalk Circle" is William Bloodgood, a graduate student in design. Lighting design will be provided by Cheries H. Firmin and the costume designs by Richard Hieronymus, both members of the faculty of the Department of Theatre and Film.

Tickets for "The Caucasian Chalk Circle" are on sale at the Playhouse box office. For telephone reservations call (814) 865-1884. The box office is open Monday through Saturday from 1 to 6 p.m. on non-performance days and from 1 to 9 p.m. on performance days.

Orchesis offers 7 works

With seven new dances headlining the program, the Orchesis Dance Company will once again present its fall concert, "Dance Creations '75" Sunday, Nov. 2, at 2:30 and 8 p.m. in the White Hall Dance Theatre. Under the artistic direction of Patricia Heigel-Tarnay, the dancers have been preparing since early fall. Each dance has been choreographed especially for this concert. Barbara Hayley has taken the methods of jazzdance and combined them with her own style in "Moods," using the music of composer Stanley Tarrentine. Also working in the jazz medium is Barbara Schutte with "Funkeebe!" This piece elaborates basic steps from today's dances. Exploring the sociological aspects of intra-familial ties is the concern of Rachelle T. Weinstein in "Three Sisters and a Farmhand," while "Encombment," a piece choreographed by Lynn Bock explores the search of one woman to find and identify herself. Choreographer Arlene Weiner dedicates "Because of Antonia" to the conductor, and Valerie Stover has choreographed "Gour Fantaisie" based on 16th century dance forms. Admission is $1 for the public, 50 cents for students, payable at the door.

Alard performs Oct. 29

Compositions by Beethoven and Brahms and a recently published quartet by Ruth Crawford Seeger will be performed by the Alard String Quartet in concert at 8:30 p.m. Wednesday, Oct. 29, in the Music Bldg. recital hall. Seeger, the first woman to receive a Guggenheim Fellowship, composed very actively in the 1930s prior to her marriage to Charles Seeger. After raising his children, including folk artist Pete Seeger, she returned to composing until her early death in 1951. Her "Quartet" is recognized as an important contemporary piece with elements of Schonberg's 12 tone system and Ives' rhythmic complexities, significantly pre-dating many modern works exploring similar elements. Beethoven's "Quartet in A Major," opus 18, number 5, and "Quintet in G Major," opus 11 by Brahms, will complete the program, with graduate student Paul Yarbrough, viola, joining the Quartet for the latter work. In recent weeks, Alard String Quartet members Joanne Zagst and Donald Hopkins, violins, Raymond Page, viola, and Leonard Feldman, cello, all associate professors of music, have appeared at the Rocky River Chamber Music Society, Cleveland, and Davidson College, Davidson, N.C.

Brass Chorale in concert

The Penn State Brass Chorale and members of the Penn State Symphonic Wind Ensemble will perform in joint concert at 8:30 p.m. Friday, Oct. 24, in the Music Bldg. recital hall. Flutists and clarinetists from the Wind Ensemble, directed by Smith Toulson, assistant professor of music, will be featured in works by Mozart and Debussy. Debussy's "Petite Suite," written in 1888 for four hands at a piano and arranged for clarinet choir by Russell Howland, will be performed by a choir of 11, including B flat, alto, bass and contra-bass clarinets. The arrangement, using much of Debussy's lyricism, is in three movements suggesting in the impressionistic manner atmospheres on a boat. A flute ensemble of ten with Steven Robbins, graduate student, as soloist, will perform avant garde composer Henry Brandt's "Devils and Angels," a piece employing the elements of harmony, counterpoint, style and sonority, according to the composer's description. Robbins, a graduate of the Juilliard School of Music, is in his first year of graduate study at the University.

The Penn State Brass Chorale, directed by James Benshoof, assistant professor of music, will perform the second portion of the program, including a prelude by Gregon arranged for the group by Ronald Renshaw, principal tuba player and a graduate student in conducting, and a fanfare by Reed. Also to be performed are Tyra's "Suite for Brass and Timpani" and Beversdorf's "Cathedral Music," a set for brass of short pieces with sacred titles.

Treteau to do "Phedre"

Racine's masterwork, "Phedre," will be the offering this year of Le Treteau de Paris Friday, Nov. 7, at 8 p.m. in Schwab Auditorium. The production, which is in French, is sponsored by the Department of French. The play's director is Michael Hermon who originally created this production in March, 1974, at the Theatre Nationale de l'Odeon in the framework of its Racine cycle. "This vision strikes out in astonishing scenes," a Parisian critic wrote. "The beautiful staging by Hermon is a staging for our times." Le Treteau makes an annual tour of America. It is sponsored by L'Association Francaise d'Action Artisiique, a branch of the French Foreign Ministry. Seats for "Phedre" are $2.75 apiece, and mail orders should be sent to Prof. Isabelle Armitage, Department of French, S-402 Burrowes Bldg. Tickets will be available after Oct. 31 at the HUB desk from 8 a.m. to 5 p.m. and at the door on the night of the performance.

"Xala" screening

"Xala," a feature-length film by Senegalese novelist and filmmaker Ousmane Sembene, will be shown Thursday, Oct. 23, at 7:15 p.m. in the Black Cultural Center in Walnut Bldg. A powerful attack on capitalism in contemporary West Africa, the film revolves around the difficulties of a wealthy African businessman who has just taken a third wife, only to discover on his wedding night that he has been struck by the xala, an exil spell which renders him impotent. "Xala" was shown earlier this month at the New York Film Festival and earned high praise from the New York Times' critics. The film is being presented in conjunction with French 458, African Literature of French Expression, and is open to the public.

WPSX highlights

A. Edward Simon, director of the Governor's Office of State Planning and Development, answers questions about his office's report on a land use policy program for Pennsylvania on **People, Places, Things, Now** Friday, Oct. 24, at 7:30 p.m. Simon is interviewed by series host John Roberts. Marcia Hunt of the League of Women Voters, and Bradford area journalist Craig Scott.

Richard Wiley, chairman of the Federal Communications Commission discusses the role of the FCC in public policy on **Firing Line** with William F. Buckley, Jr., Saturday, Oct. 25, at 7 p.m. Topics include the potential role of pay and cable television and their respective costs and the FCC's position on various communications issues.

The apartheid policy of South Africa is the subject of "The Last Grave at Dimbaza" on **The PBS Special of the Week** Monday, Oct. 27, at 8 p.m. The 90-minute program includes a documentary about the policy, which separates whites and blacks in South Africa, followed by a discussion hosted by journalist Elbert Newell.

Philip Denis, assistant professor of music at Penn State, performs two works by Ravel on **Impressions in Music** Tuesday, Oct. 28, at 10:40 p.m. The series, which features the music of three composers from the impressionist period, may also be seen Saturday, Oct. 25, at 6:40 p.m. It was designed to complement **Pioneers of Modern Painting**, a course being offered by the College of Arts and Architecture, which it follows.

The artifacts left by Aztec and Inca goldsmiths provide the focus for **The Tribal Eye** Wednesday Oct. 29, at 8 p.m. The hour-long program includes visits to major South American museums, interviews with Indians who still practice many of the old customs and a look at grave robbers who have discovered many of the gold pieces. Featured is film of an actual grave robbing incident.

Frank Finlay stars as Voltaire in a special television adaptation of the French satirist's "Candide" on **Classic Theatre: Humanities in Drama** Thursday, Oct. 30, at 9 p.m. Produced by the BBC, the program is described by its producer as a "television cartoon" which uses comic strip backgrounds and many visual effects to convey Voltaire's comic vision. **Classic Theatre Preview,** seen Tuesdays at 7:30 p.m. and Thursdays at 8:30 p.m, features program producer Cedric Messina and scholar Georges Mey of Yale University, as well as visual essays on Voltaire and his times.

Funding opportunities

(202-1) The Office of Education announces a Dec. 15 closing date for applications for **library training grants** for institutes, fellowships and trainerships (Ref. 45FR47531, 10/9/75) (CFDA 13.468)

(202-2) The National Science Foundation has issued its **"Official Program Plan for Support of Extramural Research — Through Sept. 1976."** Activities supported include research into technological innovations, analytical summaries of past and current research findings and analysis of policy options available to decisionmakers. The Program Plan consists of three sections each associated with technological innovation, understanding processes, measuring effects and analyzing policy problems. Terms for the deadline NEH (Ref. NSF Program Plan)

(202-3) The NEH Division of Education Program announces Jan. 1, April 1, and Oct. 1 as future deadline dates for its new **Consultants Program** for institutions seeking the advice and assistance of outside teachers, scholars and administrators to meet particular needs in humanities curricula. Grants may not exceed $4,000 and are limited to 20 working days for the deadline NEH program contact is 202-382-5891. (Ref. NEH Program Brochure)

Bicentennial projects

(Continued from page 1)

by Professors Maier, Wood and Peterson.

"Be Glad Then, America" is a LaMontaine musical dramatic entertainment, specially commissioned for the University choir by the Institute for the Arts and Humanistic Studies. The Pittsburgh Symphony is playing the orchestral score, and the artistic director and conductor is Sarah Caldwell, founder and director of the Opera Company of Boston and the first woman ever hired to conduct the Metropolitan Opera.

The composition will be performed at University Auditorium Feb. 6, 7, and 8.

The choir, which is divided into loyalists and rebels, will serve as the chief protagonist of the work, while a townscrier and George will carry the line of the proceedings, according to Raymond Brown director of the choir. Historical figures featured in the piece include Patrick Henry, Thomas Paine, and Samuel Adams.

Smith to speak

(Continued from page 1)

the United States in 1924, receiving his doctor of science degree from MIT in 1926. He holds honorary doctorates from Case Institute of Technology and the University of Pennsylvania and has received numerous special awards and medals.

He joined the metallurgical staff of the American Brass Co. in 1927, continuing there until 1942 when he went to Washington as research supervisor of the National Defense Research Committee. In 1943, he was named to the newly established Los Alamos Laboratory of the Manhattan District to take charge of the metallurgical aspect of designing and building the atomic bomb. He left Los Alamos in 1946 to found the Institute for the Study of Metals at the University of Chicago which, under his feadership, became one of the outstanding research organizations of the nation. His own research findings on the role of interfacial energy and topology in the structure of polycrystalline materials have become a part of the science of metallography.

In 1961, he returned to MIT as Institute professor with a joint appointment in metallurgy and the Humanities and Social science. There he founded the Laboratory for Research on Archaeological Materials

Staff vacancies

Staff vacancies contained in this publication are those which generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Non-staff vacancies requiring less than the baccalaureate degree and those requiring an advanced degree may be found in the Personnel Office Reporter.

This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-5777 (Network Line 475-1367). Applications for these staff vacancies will be received until 5 p.m. Thursday, Oct. 30. **Do not contact the area that has the vacancy.**

CLASSIFICATION ANALYST, PERSONNEL ADMINISTRATION — University Park

Responsible for assisting in the implementation of the wage and salary plans of the University. Gather information for the review of existing positions or the evaluation of new positions. Write job descriptions based on the compiled data. Bachelor's degree or equivalent, preferably in personnel administration or industrial engineering plus a minimum of two years administrative experience

PENN STATE intercom

Volume 5, Number 9 October 30, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

Marine forms ready

Applications for the Marine Sciences Program offered by Penn State at Wallops, Virginia, during the spring term, 1976, are available now from the program director, Dr. A. Guber, in Room 309 Deike Bldg. Completed applications are to be returned to Dr. Guber at the beginning of the winter term. Students accepted for the program will be informed in January of their selection.

Calendar date due

Information is being collected now for the winter term calendar to appear in the Dec. 4 issue of INTERCOM. The deadline for receipt of such information is Nov. 20, and it should be sent to INTERCOM, 312 Old Main. The calendar is prepared for the University Park Campus, but a very limited number of events of unusual interest at other Campuses may be included. A general seminar calender will be published for departments with regularly scheduled programs. Copy need include only the day of the week, time and place. News of special events, including conferences of particular interest to faculty, is welcomed.

Sigma Xi talk

Dr. Thomas F. Bales, professor of minology, will present a public lecture, "The Land Grant University: Science Adviser to the Public," at 12:30 p.m. Thursday, Nov. 6, in Room 101 Kern Bldg. The talk is being sponsored by the Penn State Chapter of Sigma Xi. Dr. Bales has served as Science Adviser for the U.S. Department of the Interior and as a member of the Federal Council on Science and Technology. He is now a member of the Information Systems and Data Task Force of the Governor's Energy Council and is engaged in research in the area of science information transfer and dissemination. Arrangements have been made for those attending the lecture to go through the cafeteria line at Kern and take their trays to Room 101 for a luncheon at 12 noon.

New General Stores counter

General Stores' customers from departments at University Park or the Commonwealth Campuses will now be served from a new service counter located in the center of the loading dock.

Sky watches to begin

The Department of Astronomy and the Astronomy Club at the University will begin their third season of free, public sky watches from 8 to 10:30 p.m. Friday, Nov. 7, weather permitting. Begun in 1973 to help area residents get a glimpse of Comet Kohoutek, the program has been brought back each year by popular de-

(Continued on page 4)

Time to check hospital coverage

Faculty and staff members should periodically review the deduction which is taken from their paychecks for hospital coverage to be certain that they are paying for the correct coverage.

Changes in family status can affect costs and coverage; these may include getting married, having a first child or having a spouse stop working for the University. Such alterations can result in an employee having inadequate dependent coverage.

Accordingly, the Employee Benefits Division suggests that coverage should be checked under the following circumstances:

1. When a spouse or child begins working for the University as a regular employee.
2. If a spouse or only child dies.
3. When a divorce occurs.
4. If an only dependent child enters military service or has a 19th birthday (or 23rd birthday in the case of a full-time student).
5. When an only dependent child gets married.
6. When a spouse reaches age 65.

To determine proper coverage and payments, employees should compare the amounts shown on their salary check stubs with the amount they should be paying as shown in the following table:

INSURED PERSONS	MONTHLY	BI-WEEKLY
Employee only	none	none
Employee, child, children	$1.75	$0.80
Employee, spouse, child or children	$5.00	$2.30

(These rates apply when all insured persons are under age 65. Persons over age 65 are insured in a different plan at no cost.)

Employees wishing to make changes in their coverage should call, write or visit Employee Benefits, Room 113 Willard Bldg., 865-1473. Since the University has no way of knowing whether a change should be made, employees must take responsibility for seeing that their records are up-to-date and accurate. No refunds for overpayment can be made unless it has been shown that the University was in error.

Libraries offering computer literature searches

Beginning Saturday, Nov. 1, the University Libraries will begin offering literature searching services based on on-line information retrieval systems. Initially, searches will be available in the fields of education, psychology, business, chemistry and agriculture.

In the past, libraries have provided tools for locating citations and some help in their use; but, due to the large amount of time involved and other costs, they generally have not been able to provide actual literature searches for individuals.

Now, however, the picture has changed. A combination of computer technology, availability of bibliographic data bases and strong interest among information professionals has produced systems which can perform specific literature searches quickly, efficiently and inexpensively.

The University Libraries are now subscribing to these services and encourage the academic community to begin using them. All searching is scheduled on an appointment basis, so the requestor can be assured of the undivided attention of the librarian. The requestor has the option of working with the librarian during the search in the Reference Department (East Pattee 105) or of delegating the entire search process.

In all cases, the requestor provides the librarian with information regarding the search topic so that preparatory work can be undertaken before the search begins — thus keeping computer costs as low as possible. The requestor is encouraged to participate in on-line interaction when search results can be evaluated and modified by both researcher and librarian, thereby ensuring retrieval of the most useful references.

A bibliography of selected references is generated by a search. Citations include title, author(s), primary source and index terms, as well as an abstract for some data bases. Additional categories of information (e.g. patent number, patent assignee, language, etc.) which are unique to each data base are also contained in each reference. On-line output is immediately available to the user; off-line printout will be in the user's hands in about a week.

The cost to the user for an average search is about $35. This cost includes computer connect-time, the off-line printed bibliography and a nominal handling fee. Often the cost of a computer search is lower than the cost of a manual search due to the substantial amount of time required for the latter.

To initiate a computerized search, contact the Reference Department of Pattee Library (865-6368), which will refer you to the librarian handling the appropriate data base for your particular inquiry.

Women's week is Nov. 3-7

Colloquy is presenting a week-long program, "Focus on Women," from Monday, Nov. 3, through Friday, Nov. 7, at the University.

Featured speakers will be actress Ellen Burstyn and feminists Florynce Kennedy and Betty Friedan.

Florynce Kennedy, one of the founders



Ellen Burstyn

of the National Organization for Women also founded the Feminist Party. She will speak at 8 p.m. Monday, Nov. 3, in Schwab Auditorium.

Betty Friedan will talk on "Women in Politics" at 8 p.m. Wednesday, Nov. 5, in University Auditorium. Her appearance is co-sponsored by the Association for Women Students.

Ellen Burstyn will speak at 9:30 p.m. Friday, Nov. 7, in University Auditorium under the co-sponsorship of the Panhellenic Council. She will discuss women in art and theatre.

In addition to the guest speakers, a number of workshops will be presented during the week.

Dr. Dorothy Harris, professor of physical education and director of the Center for Women and Sport at the University, will speak on "Women in Sports" at 6 p.m. Tuesday, Nov. 4, in the Hetzel Union Bldg. assembly room.

At 8 p.m. that evening in Kern assembly room, there will be a Panel on International Women with discussion of the roles of women in countries other than the United States. Dr. Doris Seward, executive assistant to the President, will serve as moderator. Participants include Dr. Perris H. Chang, associate professor of political science; graduate students Efiong Etuk (Nigeria), Iya Flores (British Honduras) and Marilyn Vallejo (Philippines); and visiting professor Hisaka Tanaka.

At 4 p.m. Thursday, Nov. 6, Dr. Audrey Rodgers, associate professor of English, will lead a workshop on "Women in Literature" in the main lounge of the HUB. The University Readers will present a workshop at 7:30 p.m. Thursday in the



Flo Kennedy

HUB ballroom.

All of the events are free and open to the general public.

A number of other events, also focusing on women, are being held in conjunction with the Colloquy program.

A multi-media exhibit on women, sponsored by the HUB Arts and Crafts Committee, will be on display on the first floor of the HUB. The film, "Bread and Roses," will be presented by the Association for Women Students at 8 p.m. Saturday, Nov. 1, in Schwab Auditorium.

During the Nov. 3 to Nov. 7 "Focus on Women" program, Sorority Awareness Week will be observed, with Panhellenic Council sponsoring a book sale, career development program and a general information campaign concerning sororities.

The first speaker in the Colloquy series, Florynce Kennedy, is a graduate of Columbia Law School and has worked in many different fields of law, including civil rights, corporate, criminal and theatrical law.

She is author, with Diane Schulder, of "Abortion Rap," published by McGraw Hill, and is preparing another book, "The Palhology of Oppression," for publication. She has appeared in several films, including "The Landlord" and "Black Roots."

Betty Friedan, one of the leaders of the feminist movement in the United States, also is involved in the international feminist movement. She has initiated and taught courses on women and urban problems and has testified before the Judiciary Committee on the Equal Rights Amendment.

She convened the International Conference of Women in 1973 and received the "Ladies Home Journal" 1974 Woman of the Year Award. Author of "The Feminine Mystique," published in 1963, she served as first president of the National Organization of Women from 1966 to 1970.

Actress Ellen Burstyn, recognized as one of America's top film sters, won an Academy Award nomination as best actress in "The Exorcist," and was cited by the New York film critics and the New York Film Society es the best supporting actress of the year for her portrayal of Lois Farrow in "The Last Picture Show."

Her performence in "Alice Doesn't Live Here Anymore" won her the Academy Award for best actress, and for her starring role in the Broadwey hit, "Same Time, Next Year," she received Broedway's highest honor, the Tony Award for best actress.

PENN STATE COLLECTION

Faculty notes



Patricia Farrell

Dr. Patricia Farrell, who served for nearly three years as affirmative action officer of the University and has now returned to her position as associate professor of recreation and parks, has received the McKay Donkin Award.

The $500 award is given annually to the Penn State faculty or staff member who has contributed most to the economic, physical, mental or social welfare of the University faculty. It was established with contributions made by the family and friends of the late McKay Donkin, former vice president for finance and treasurer of the University.

Dr. Farrell joined the faculty in 1967 and during her service as affirmative action officer was primarily responsible for the development of the Affirmative Action Plan which the University submitted to the Federal government last November. She also developed procedures for handling complaints of discrimination, which, like the Affirmative Action Plan, have attracted the attention of many colleges and universities.

A native of State College, Dr. Farrell is a graduate of Penn State, with B.S. and D.Ed. degrees. She received her M.E. from the University of Minnesota. Before joining the faculty, Dr. Farrell served as assistant director of public recreation in Harrisburg, program director of the Student Union at Northern Illinois University and assistant professor at the University of New Hampshire.

Dr. Carroll C. Arnold, professor of speech communication, delivered two lectures and conducted a seminar at the University of Denver Oct. 20-22 as part of that University's special course offerings entitled Rhetorical Theory and Communication Theory: An Interface. Professor Arnold spoke on "Rhetoric and Knowing" and on "Perceiving Oral Rhetoric" in the lecture series sponsored by the Department of Speech Communication at Denver. Dr. Arnold is associate editor of the Penn State journal "Philosophy and Rhetoric" and a member of the publications board of the Speech Communication Association of America. His most recent book is "Criticism of Oral Rhetoric," published last year by Charles E. Merrill Publishing Co.

Dr. Lawrence S. Darken, professor of mineral sciences, has been invited to give the 1975 Alpha Sigma Mu Lecture at the American Society for Metals in Cincinnati, O., Nov. 12. His lecture, entitled "Reflections on the Thermodynamics of Metallurgical Solutions," will be a part of a materials science symposium at the ASM annual meeting.

Dr. Erwin W. Mueller, Evan Pugh research professor of physics, has been invited to present a paper at the 1975 Materials Science Symposium of the American Society for Metals and the Metallurgical Society of the American Institute of Mechanical Engineers in Cincinnati, O., Nov. 11-13. Dr. Mueller will discuss his invention, "The High Resolution Atom-Probe FIM," at a special session on field ion microscopy in materials science.

Dr. Warren W. Hassler Jr., professor of American history, has been named the first occupant of the newly-established John F. Morrison Chair of Military History at the Command and General Staff College at Fort Leavenworth, Ks. Dr. Hassler was appointed visiting professor at the College for a year beginning July 1, 1975. His responsibilities there included teaching, advising and maintenance of liaison between the Command and General Staff College and the history profession.

Dr. Marshall H. Kaplan, associate professor of aerospace engineering, who is presently on a six-month sabbatical leave from the University, is serving as a visiting professor in the Department of Aerospace and Mechanical Sciences at Princeton University. He is involved with Princeton's research activities in the areas of nuclear space power systems, spacecraft standardization techniques, mission analyses and development of methods for economic evaluation of space programs. One objective of his research is to develop a quantitative comparison of nuclear-powered and solar-powered satellites for future missions. Dr. Kaplan is a principal investigator on this U.S. Energy Research and Development Administration (ERDA) sponsored work. Results will directly affect future ERDA emphasis on space projects and influence many satellite designs. Dr. Kaplan will also give a 12-lecture series on "Spacecraft Dynamics and Control" at the Astro Electronics Division of RCA's Government and Commercial Systems and a similar series at the Communications Satellite Corporation, Clarksburg, Md.

Dr. Gerd M. Rosenblatt, professor of chemistry, recently presented invited lectures at the Argonne National Laboratory, the University of Illinois Chicago Circle and Bell Telephone Laboratories. A specialist in physical chemistry, Dr. Rosenblatt discussed current research projects in his laboratory focusing on gas-surface phenomena.

Dr. Merk R. Peattie, assistant professor of history, recently presented invited lectures to faculty and students at several East Asian Research Centers. He spoke on "Forecasting a Pacific War" at the University of Michigan's Center for Japanese Studies in Ann Arbor and at the University of California's Center for Japanese and Korean Studies in Berkeley and on "The Japanese Military in the 1930s" at the Center for Japanese Studies at Stanford University. Dr. Peattie is the author of the recently published book, "Ishiwara Kanji and Japan's Confrontation with the West."

"The Drama of Salvation: Sex Roles in the Plays of Hroswitha of Gandersheim" is the title of a paper presented by **Dr. Alberta D. Frankhorter,** assistant professor of history at Behrend College, at the second annual meeting of the Ohio Conference on Medieval Studies sponsored by the Department of Philosophy at John Carroll University in Cleveland, O., this month.

Dr. William A. Dunson, professor of biology, has been invited to present two seminars at Duke University next month. On Nov. 17 he will speak at Duke's Department of Zoology at the Durham, N.C., campus and on Nov. 18 at the Marine Laboratory in Beaufort, N.C. His talk is titled "Diving for Sea Snakes in the Timor and Visayan Seas." Dr. Dunson has just returned from diving for sea snakes on the reefs of the Visayan Sea in the Philippines, where he served as chief scientist aboard the research vessel Alpha Helix. In 1973, he headed an expedition abroad Alpha Helix to the Timor Sea off Australia which collected more than 400 live specimens of the snakes whose venom is probably the most virulent animal poison. Both expeditions were supported by grants from the National Science Foundation, which also outfits and maintains the Alpha Helix with Scripps Institution of Oceanography.

Dr. Thomas F. Powers, professor in charge of food service and housing administration and professor of organizational behavior, and Leo M. Renaghan, instructor in food service and housing administration and Statler Doctoral Fellow in that program, recently presented papers to the annual conference of the Society for the Advancement of Food Service Research. Dr. Powers' paper, "Changing Food Service Systems in an Evolving Economic Environment" reported on a recently completed two-year study of the future of the food service industry, funded by the Research Coordinating Unit of the Pennsylvania Department of Education. Renaghan reported on one topic covered in that study, dealing with securing consumer acceptance of new food products in food service systems. His paper was titled "Strategies for Increasing New Product Acceptance in Food Service Systems."

Howard F. Kingsbury, associate professor of architectural engineering, has been elected chairman of the environmental acoustics committee of the American Society for Testing and Materials (ASTM). Founded 75 years ago, the ASTM is an international organization composed of several thousand representatives from industry, government and consulting organizations. The objective of the acoustics committee is to update current standards and write new criteria relating to acoustics, primarily in the building field. The committee has about 130 members.

New appointments

Dr. Jacob De Rooy as assistant professor of economics at Capitol Campus. B.A., M.A. and Ph.D., economics, Rutgers University; NATO Advanced Studies Institute. He has taught at Upsala College and Lehigh University.

Richard C. Hieronymus as assistant professor of costume design. B.S., theatre and English, Southwest Missouri State University; M.A., theatre, University of Missouri. Formerly instructor of costume design, University of Texas, costume director, the Oregon Shakespearean Festival Association; and costume designer for Tiffany's Attic, Kansas City, the Missouri Repertory Theatre, and the Syracuse, N.Y., Repertory Theatre.

Dr. Robert E. Weber as assistant professor of mathematics at Shenango Valley Campus. B.A. and M.A., Miami University, Ohio; Ph.D., Indiana University. Formerly lecturer at Southern Illinois University and assistant professor at Indiana University Southeast.

Dr. Chester L. Wolford as assistant professor of English at Behrend College. B.A., University of Maryland; M.A., Georgetown University; Ph.D., Penn State. Formerly taught in schools in Tyrone and Hollidaysburg, and as instructor at Penn State.

Gail M. Bennett as instructor in health, physical education and recreation at York Campus. B.A., SUNY, Brockport; M.A., Ohio State.

Melvin Blumberg as instructor of management at Capitol Campus. B.S., engineering, Widener College; M.A., business administration, University of Pittsburgh; currently completing work for the Ph.D. in organization behavior at Penn State. He is a consultant for the National Productivity Commission. He was an instructor for two years at Widener College and previously worked at Ultronic Systems Corp. and Burroughs Corp.

Dr. Gary L. Collison as instructor of English at York Campus. B.A., Lehigh University; M.A., Bucknell University; Ph.D., Penn State.

Lois A. Dudley as instructor of accounting at Capitol Campus. B.A., Arkansas A & M College, M.A., business administration, University of Arkansas. A candidate for the Ph.D. degree, she has been an instructor at the University of Arkansas.

Sidney C. Dudley as instructor in marketing at Capitol Campus. B.A., Mississippi State University; M.A., business administration, marketing, University of Arkansas, currently a candidate for the Ph.D. degree.

William J. Kelly as instructor of theatre and film at New Kensington Campus. B.A. and M.A., theatre, Penn State. From 1967-70, producer-director for WPSX-TV.

Gerald P. Madden as instructor of finance at Capitol Campus. B.A., accounting, St. Joseph's College; M.A., finance, Temple University. Currently a candidate for the Ph.D. degree at Penn State, he was a senior assistant accountant with Haskins & Sell.

Charles D. Pringle as instructor of management at Capitol Campus. B.A. and M.A., management, Baylor University. Formerly instructor in management, now a candidate for the Ph.D.

Frank W. Symons as research associate at ARL. B.S., electrical engineering, Penn State, M.S., electrical engineering, Stevens Institute of Technology; and received a Ph.D. in electrical engineering in November. Formerly with Sikorsky Aircraft.

Rosemary King as assistant librarian in the cataloging department. B.A. and M.A. in library science, Florida State University.

Richard M. Dahl as research assistant in animal science. B.S. and M.S., University of Kentucky. Has worked as veterinary assistant in a clinic.

Dr. Marianne S. Kleiber as research assistant in poultry science. M.D., University of Tuebingen, Germany. She has held research posts at the Universities of Penn, Temple University, and with Smith, Kline and French.

Obituaries

Michael W. Knerr, retired associate professor of industrial education, died last month in Bloomsburg, Pa. He was born May 7, 1902, in Williamsport, Pa., and received his bachelor of science and master of education degrees from Penn State in 1934 and 1939, respectively. Appointed to the faculty in 1947, he retired in 1964.

Harold D. Werner, retired assistant professor of general engineering at Behrend College, died in Erie, Pa., Oct. 10. Born July 18, 1896, he began his association with the University as an instructor in engineering extension in 1949 and retired in 1966. He attended both Hiram College and MIT and worked for various companies in the Erie area as an engineer prior to joining the faculty.

Eastern European conference here

A conference on "The Impact of Communist Modernization on National Identity and State Integration in Eastern Europe," organized and sponsored by the Slavic and Soviet Language and Area Center, will be held at the University today (Thursday) and Friday, Oct. 30 and 31.

President John W. Oswald is delivering the opening address at the conference, which is being supported by a grant from the American Council of Learned Societies' Joint Committee on Eastern Europe. The conference director is Dr. Vernon V. Aspaturian, Evan Pugh research professor of political science and director of the center.

"State Loyalty and National Identity in Multinational States" is the subject of the first panel. Papers on this topic will be presented by Yaroslav Bilinsky, University of Delaware, dealing with the Soviet multinational state; Paul Shoup, University of Virginia, discussing the topic as it applies to Yugoslavia; and David Paul, University of Washington, as it applies to Czechoslovakia.

Rudolph Tokes, University of Connecticut, will discuss the mono-ethnic, unitarian states of Poland, Hungery and Bulgaria, while Romania is the subject of Trond Gilberg, associate professor of political science at Penn State and associate director of the conference. There will be a banquet address Thursday evening by Cyril Black of Princeton University on "The Impact of Modernization: Catalyst for Assimilation, Integration, Acculturation or Separation."

The second day of the conference will include a panel on "Language, National Identity and Integration," with Robert Kirk of Radio Free Europe discussing the impact of urbanization and Ladislav Matejka, University of Michigan, speaking on "The Search for a 'Lingua Franca' in Multinational States." "National Identity and Integration in Yugoslav Foreign Policy" is the topic of Zachary Irwin, instructor in social science at the University.

The concluding panel will be concerned with "Development and National Identity" with papers by Andrzej Korbonski, UCLA, on "Reconciling the Demands of Nation Identity and Economic Rationality in Eastern Europe," and Bogdan Denitch, Queens College and Columbia University, on "National Identity and Social Stratification."

A number of Penn State faculty members are participating in the conference either as discussants or panel chairmen. In addition to Dr. Aspaturian, they include Sergei Utechin, professor of Russian history; Thomas F. Magner, professor of Slavic languages and associate dean for research and graduate studies in Liberal Arts; William Schmalstieg, professor and head of the Department of Slavic Languages; Jan Prybyle, professor of economics; and Allan Rodgers, professor of geography.

University Park Calendar

Oct. 30 — Nov. 9

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, Oct. 30

FSHA dinner honoring "Delmonico's," 5:30 p.m., Maple Room, Human Development. Reservations required, 865-7441.

Halloween Candlelight Dinner, 5-7:30 p.m., HUB.

Commonsplace Videotape, 12 noon, Kern lobby. "Three Dog Night."

University Theatre, "The Caucasian Chalk Circle," 8 p.m., Playhouse Theatre.

Free U mystic consciousness and music-lan's workshop, 8 p.m., HUB ballroom.

Friday, Oct. 31

GSA's Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

University Theatre, "The Caucasian Chalk Circle," 8 p.m., Playhouse Theatre.

Peter Brye, cello recital, 8:30 p.m., Music Bldg. recital hall.

Saturday, Nov. 1

Sports: Men's Cross Country, PIAA Championships. Men's Central Collegiate Championships.

University Theatre, "The Caucasian Chalk Circle," 8 p.m., Playhouse Theatre.

Sunday, Nov. 2

PSOC Hiking Club, exploration in Big Kettle and Black Ridge Area of Rothrock State Forest, 9 a.m.

Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Joseph Faulkner, sociology.

Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Elder Gerald G. Loyd, pastor, Black Christian Fellowship.

Free University, Musician's Workshop, 1-8 p.m., HUB ballroom.

Orchesis fall concert, "Dance Creations '75," 2:30 and 8 p.m., White Hall Dance Theatre.

Claremont Woodwind Quintet, 8:30 p.m., Music Bldg. recital hall.

Saturday-Sunday, Nov. 1-2

PSDC Sailing Club and Penn State Sailing Team, Intercollegiate Sailing Regatta at Stone Valley, starting 9:30 a.m., Saturday.

Monday, Nov. 3

Reception for George Zoretich and David Rubello, 7:30 p.m., Zoller Gallery.

Colloquy program, 8 p.m., Schwab. Florynce (Flo) Kennedy, attorney and author.

Artists Series, Ed Nelson in "Give 'Em Hell, Harry," one-man show based on the life of Harry S. Truman, 8:30 p.m., University Auditorium.

Tuesday, Nov. 4

Sports, Women's Field Hockey, vs. Lock Haven, 3 p.m.

Colloquy program, 6 p.m., HUB assembly room. Dorothy Harris, health and physical education, on "Women in Sports."

Colloquy program, 7:30 p.m., Room 112 Kern Panel discussion on "The Role of Women in Other Countries."

University Theatre, "The Caucasian Chalk Circle," 8 p.m., Playhouse Theatre.

Artists Series, Fellini Film Festival, "I Vitelloni," 8:30 p.m., University Auditorium.

Wednesday, Nov. 5

Noontime Concert, 12:15 p.m., Kern lobby.

University Theatre, "The Caucasian Chalk Circle," 8 p.m., Playhouse Theatre.

Colloquy program, 8 p.m., University Auditorium. Betty Friedan, author, feminist.

Philip Dettra, piano recital, 8:30 p.m., Music Bldg. recital hall.

Thursday, Nov. 6

Commons Videotape, 12 noon, Kern lobby.

Sigma Xi luncheon, 12 noon, Room 101 Kern. Dr. Thomas Bates, mineralogy, on "The Land Grant University: Science Adviser to the Public."

Sports, Women's Field Hockey, vs. Ursinus, 3 p.m.

Colloquy program, 4 p.m., HUB main lounge. Audrey Rodgers, English, on "Woman in Literature."

Colloquy program, 7:30 p.m., HUB ballroom. University Readers, "What Do Women Want?"

American Chemical Society, Central Pennsylvania Section, dinner dance, 5:30 p.m., State College Elks Country Club. Talk by Rudolph Roy on "Nuclear Wastes: Experts' Views on Safety."

University Theatre, "The Caucasian Chalk Circle," 8 p.m., Playhouse Theatre.

Friday, Nov. 7

Ag Hill Festival, 6:30 p.m., HUB ballroom. Annual get-together for ag students and faculty.

Sports: Soccer, vs. Temple, 7 p.m., Jeffrey Field.

Folk and Square Dance Roundup, 7:30 p.m., White Bldg.

GSA's Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

University Theatre, "The Caucasian Chalk Circle," 8 p.m., Playhouse Theatre.

Le Treteau de Paris, "Phedre," 8 p.m., Schwab. Presented by the Department of French.

Student performance of music by Bach, 8:30 p.m., Music Bldg. recital hall.

Colloquy program, 9:30 p.m., University Auditorium. Ellen Burstyn, actress.

Saturday, Nov. 8

Sports: Lady Lion Cross Country Classic. Football, vs. North Carolina State, 1:30 p.m., Beaver Stadium.

Hetzel Union Board Annual Jammy, 8 p.m., HUB ballroom.

University Theatre, "The Caucasian Chalk Circle," 8 p.m., Playhouse Theatre.

Sunday, Nov. 9

PSDC Hiking Club, exploration on Short Mountain between Little Juniata and Frankstown Branch, 9 a.m.

Chapel Service, 11 a.m., Music Bldg. recital hall. Joseph Rhodes Jr., State Legislature Representative, member, Board of Trustees.

Black Christian Fellowship worship service, 11 a.m., Black Cultural Center, Rev. David Minder, pastor, the Gospel Assembly, Coudersport, Pa.

Kathy Kello, oboe recital, 3:30 p.m., Music Bldg. recital hall.

Seminars

Thursday, Oct. 30

Agronomy, 8:15 a.m., Room 301B Ag. Admin. Robert Kalmbacher, Ph.D. thesis, on "Establishment Practices for Birdsfoot Trefoil and K31 Tall Fescue in Forest Clearings."

Two Cultures Dialogue, noon, Room 189 Materials Research Lab. Dr. Cyril Stanley Smith, M.I.T., on "Aesthetics and Technology."

Chemistry, 12:45 p.m., Room 333 Whitmore. Henry F. Schaefer III, University of California, Berkeley, on "Potential Energy Surfaces for Simple Organic Reactions."

Economics, 3 p.m., Room 101 Kern. Dr. Teh-wei Hu on "Health Care in the People's Republic of China: An Economist's First-Hand Observation."

Microbiology and Cell Biology, 3:55 p.m., Room 52 Frear. Dr. Dieter Soll, Yale University, on "Studies on tRNA and Aminoacyl-tRNA Synthetases."

Computer Science, 4 p.m., Room 325 Whitmore. Dr. Jack Heller, SUNY, on "The Orphos Management Information System."

Mathematics, 4 p.m., Room 102 McAllister. W. Zelasko, Polish Academy of Science, "On Maximal Ideals in m-Convex Algebras."

ASEE, 4:15 p.m., Room 215 Hammond. John Horn, Westinghouse Corp., and Floyd Fischer, vice-president for continuing education, on "Preparing the Engineering Undergraduate for Life-long Learning."

Computation Center, 7:30 p.m., Room 105 Osmond. "Introduction to the JCL Computation Center (2)."

Friday, Oct. 31

Physics Colloquium, 3:50 p.m., Room 117 Osmond. Dr. S. Deser, Brandeis University, on "Quantum Theory of General Relativity."

Organizational Behavior, 3 p.m., Room 208 Bus. Admin. Melvin Blumberg, Capitol Campus, on "Job Switching Behavior in Autonomous Work Groups."

Monday, Nov. 3

Biochemistry, 11:10 a.m., Room 101 Althouse. Robert Hill, Duke University, on "Structure and Function of Lactose Synthetase."

Genetics, 3:55 p.m., Room 111 Tyson. Charles Boyer, graduate student, on "Developmental Changes in 'Zea mays' L. Starch from Normal and Mutant Endosperms."

Computation Center, 7:30 p.m., Keller. "Introduction to the Computation Center (3)."

Tuesday, Nov. 4

Ceramic Science, 9:35 a.m., Room 301 Mineral Industries. C. G. Pantano Jr., research assistant, University of Florida, on "Glass Surface Analysis by Auger Electron Spectroscopy."

Biochemistry, 11:10 a.m., Room 101 Althouse. Robert Hill, Duke University, on "Glycosyl Transferases and the Structure of Submaxillary Mucin."

Comp Lit Luncheon, 12:15 p.m., Presidential Room, Hotel State College. Kenneth Thigpen, English and folklore, on "Dracula in America."

Analytical Chemistry, 12:45 p.m., Room 333 Whitmore. D. J. Dube on "Some Electrochemical Aspects of Vitamin B_{12}."

Air Pollution Control, 2:20 p.m., Room 140 Fenske. Thomas W. Ryan, graduate student in mechanical engineering and air pollution control, on "The Automobile and Its Role in Air Pollution and the Energy Shortage."

Inorganic Chemistry, 4 p.m., Room 333 Whitmore. "Research Interests of Professor Will Horrocks—Bioinorganic Chemistry and Paramagnetic NMR."

Aerospace Engineering, 4 p.m., Room 233 Hammond. Loyal G. Goff, visiting program scientist, NASA, on "Viking '75 — Mission to Mars."

English, 8 p.m., Room 101 Kern. Nicholas Joukovsky on "The Heresy of Peacock's 'The Four Ages of Poetry'."

Wednesday, Nov. 5

Fuel Science, 4 p.m., Room 301 Mineral Industries. Dr. Frank Vastola on "The Role of Mini and Micro Computers in the Lab and Plant."

Thursday, Nov. 6

Agronomy, 8:15 a.m., Room 301AB Ag. Administration. Dr. Pete Fletcher, forestry, on "Research Associated with the Pine Creek Watershed."

Chemistry, 12:45 p.m., Room 333 Whitmore. Donald R. Johnson, National Bureau of Standards, on "Molecules in the Interstellar Environment."

Economics, 3:30 p.m., Room 101 Kern. Dr. Warren Robinson on "Indirect Social and Economic Effects of Export Taxes in Thailand." Discussants: Wayne Schutjer, agricultural economics, and John Riew, economics.

Anthropology, 3:30 p.m., Room 107 Social Science Bldg. Prema Kiara, editor and editorial consultant, on "How to Get Cited in Someone Else's References: Writing the Publishable Paper."

Physics, 3:50 p.m., Room 117 Osmond. E. P. Gross, Brandeis University, on "Topics on Kinetic Theory of Gases and Plasma."

Microbiology and Cell Biology, 3:55 p.m., Room 52 Frear. Dr. Satvir S. Tevethia, Tufts University School of Medicine, on "Lymphocyte-Macrophage Interaction in Tumor Rejection."

Meteorology, 4 p.m., Room 26 Mineral Sciences. Frederick T. Boland, graduate student, on "Modelling Heat Fluxes and Surface Temperatures over Urban Areas."

Philosophy, 4 p.m., Room 151 Willard. Dr. Robert Temples, Oregon College of Education, on relativity theory and Buddhism.

Computation Center, 7:30 p.m., Keller Bldg. "Introduction to the Computation Center (4)."

Friday, Nov. 7

Engineering Science and Mechanics, 4 p.m., Room 215 Hammond. Dr. Patrick J. Smith, IBM, Poughkeepsie, on "Dislocations in Electronic Devices."

Lectures

Thursday, Oct. 30

Nelson W. Taylor Lectures in Materials Science, Dr. Cyril Stanley Smith, member of the National Academy of Sciences, professor emeritus MIT, on "The Historical Interaction between Technology and Pure Science," 8 p.m., Room 112 Kern.

Saturday, Nov. 1

Francis Reid, lighting designer, on "The Role of Stage Lighting," 3 p.m., Playhouse Theatre.

Meetings

Sunday, Nov. 2 and 9

Interfaiths Folk Dance Club, 7:30 p.m., south gym, White.

Monday, Nov. 3

Rehabilitation Education Organization, 7:30 p.m., Room 301 Soc. Science Bldg.

Tuesday, Nov. 4

Ukranian Club, 7:30 p.m., Room 321 Boucke.

Thursday, Nov. 6

Penhellenic Council, 7:30 p.m., HUB main lounge. Career Opportunities for Women.

Film

GSA Commonsplace Theatre, 7:20 and 9:30 p.m., Room 112 Kern. "Ballad of Cable Hogue."

Exhibits

Museum of Art: Panel Paintings from the Samuel H. Kress Collection of the Allentown Art Museum, through Oct. 31. Drawings from the Permanent Collection. 200 Years of Royal Copenhagen Porcelain.

HUB Gallery: U.N. Exhibit. Multi-media Exhibit on Women.

Kern Gallery: Renascence Gallery Exhibit, through Nov. 8. Wendy Snetsinger, photography, opening Oct. 26. Blown glass exhibit by PSU Art Dept., opening Nov. 9.

Culturel Center, Walnut Bldg.: An exhibit of mixed media, the work of the New York Chapter of the National Conference of Artists, through Oct. 31. An exhibit of mixed media, the work of the Pittsburgh Chapter of the National Conference of Artists, opening Nov. 3.

Chambers Gallery: Art Department Student Group Show. Gold and Silver by students of SUNY at New Paltz.

Paltes Library: Exhibit of crafts, Main Lobby. Prints by Mary Hamilton, through Nov. 3; drawings by Denise Paleski, opening Nov. 4, Lending Services Lobby. Drawings by Dr. Paul Edmonston, East Corridor Lobby.

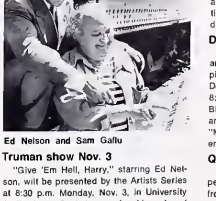
Zoller Gallery: Two Men Show: Zoretich and Rubello, opening Nov. 1.

University Schedule

Thursday-Friday, Oct. 30-31

Sign for Winter Term NDSL, SEOG, BEOG and University Long Term Loans, Room 108 Shields.

Arts roundup



Ed Nelson and Sam Gallu

Truman show Nov. 3

"Give 'Em Hell, Harry," starring Ed Nelson, will be presented by the Artists Series at 8:30 p.m. Monday, Nov. 3, in University Auditorium. Best known for his role of Dr. Rossi on the television series, "Peyton Place," Nelson's stage credits have included roles in "A Streetcar Named Desire" and "Wuthering Heights" with New Orleans' Le Petit Theatre de Vieux Carre. He has also appeared in the films "Airport '75" and "Elmer Gantry."

The author of the one-man show is a Penn State alumnus, Samuel Gallu '40, who has been a writer, director and producer of motion pictures and television for many years.

Tickets for "Give 'Em Hell, Harry" went on sale Oct 28 at University Auditorium and the HUB booth, and sales will continue through Oct. 31 from 9 a.m. to 4 p.m. daily.

Dettra in recital

Schumann's "Fantasie in C Major," among the composer's major works for piano, will be performed by pianist Philip Dettra, assistant professor of music, at 8:30 p.m. Wednesday, Nov. 5, in the Music Bldg. recital hall. Also to be performed are Debussy's "Pour le Piano" suite and "Menuet Antique," "Pavane," "Jeux d'eau," and "Alborada del gracioso" by Ravel.

Quintet to play

The Claremont Woodwind Quintet will perform two 20th century works and one from the turn of the 17th century at 8:30 p.m. Sunday, Nov. 2, in the Music Bldg. recital hall. Quintet members Smith Toulson, clarinet, Gregory Donovetsky, oboe, Christeen Dole, French horn, Dverda Page, flute, and William Dole, bassoon, all of the music faculty, will perform Sweelinck's "Variations on a Folksong," transcribed

(Continued on page 4)

Arts roundup

(Continued from page 3)

for winds by Ernest Lubin, "Concerto for Woodwind Quintet" by Joseph Jongen, and Carl Nielsen's "Quintet." The latter work, a poignant, melancholy piece which is among the most important of this century for wind quintet, is in four movements using many traditional forms including a minuet. The third movement is a set of variations on a chorel treatment of a salling song featuring ensemble instruments both individually and in combinations. Sweelinck, a noted composer, organist and teacher of the early Baroque period, based his variations for organ on a well-known song of the time, "My Young Life Is Ending," which also was the basis for other works. One of the earliest composers to leave a considerable body of instrumental music, he is credited with beginning a tredition leading directly to Bach. Jongen's concerto, a three-part work which is one of the few in this style for woodwind quintet, is much in the Impressionist manner of Debussy and Ravel.

Music by women

The music of women composers will be featured in a concert, sponsored by the Institute for the Arts and Humanities Studies, at 8:30 p.m. on Wednesday, Nov. 12, in Schwab Auditorium. The concert is planned as a follow-up to the spring term course sponsored by the Institute, "Women and Creativity in the Arts." Joanne Feldman, associate professor of music, is coordinator of the concert, and musicians will be drawn from both the campus and the community. Admission is free, but tickets are necessary. Block distribution of tickets may be arranged through the Institute prior to Monday, Nov. 3, by calling Shirley Rader, 863-0495. Tickets will be available at the box office of University Auditorium beginning Nov. 3, Monday through Friday from 9 a.m. to 4 p.m. Any remaining tickets will be made available at Schwab Nov. 12 from 7:30 p.m. until performance time.

WPSX highlights

The famed National Geographic Specials come to public television beginning Friday, Oct. 31, at 10 p.m. with **The Incredible Machine**, an hour-long look at the workings of the human body. The documentary uses special photographic techniques developed for medical purposes to take viewers inside the lungs, stomach and heart and to look at the workings of the inner ear, vocal cords and circulatory system. One segment shows actual photographs that trace the reproductive process from the development of the ovum to fertilization, cell development and the formation of the spinal column in the fetus.

William Steinberg, musical director of the Pittsburgh Symphony Orchestra, is the guest conductor on **Evening at Symphony** Sunday, Nov. 2, at 8 p.m. Steinberg conducts the Boston Symphony Orchestra in performances of Prokofev's Piano Concerto No. 3 in C, opus 26, and Hindemith's "Mathis der Maler" symphony.

The ethical questions surrounding the increasing use of behavior modification are the focus of the final program of **The Behavioral Revolution** Tuesday, Nov. 4, at 9:30 p.m. The half-hour documentary includes filmed interviews with behaviorist B. F. Skinner, psychiatrist Dr. Thomas Szasz, novelist Anthony Burgess, and others.

The tribal arts of Melanesia are explored on **The Tribal Eye** Wednesday, Nov. 5, at 8 p.m. The hour-long documentary includes film of the funeral ceremonies of tribes living in the remote interior of the New Hebrides. The program also examines the contrasting lite of the coastal people of the Solomon Islands, showing their war canoes, sea spirit dances and a powerful cult devoted to tribal custom and its preservation.

Jeremy Brett and John Alderton star in Richard Brinsley Sheridan's "The Rivals" on **Classic Theatre: The Humanities in Drama** Thursday, Nov. 6, at 9 p.m. The 18th century play, considered one of the theatre's most brilliant and scathing comedies, features such classic characters as Anthony Absolute, Lydia Languish and the famous Mrs. Malaprop. The play will be preceded on Tuesday, Nov. 4, at 7:30 p.m. and Thursday at 8:30 p.m. by **Classic Theatre Review** with Jeremy Brett and William Appleton of Columbia University.



Scene from Racine's "Phedre," to be presented in French by Le Treteau de Paris at 8 p.m. Friday, Nov. 7, in Schwab. The French Department is sponsoring the play. Tickets will be available at the door.

Student work shown

Work by students in the Department of Architecture is the subject of an exhibition in the American Institute of Architects Gallery, Philadelphia, through Nov. 7. The exhibit, which resulted from an invitation from the A.I.A., was organized and prepared under the direction of Roy Vollmer, assistant professor of architecture. First- and second-year students are represented primarily by the numerous recent publications of the department. Student work was also featured in "Architecture: Young Visionary Designs," an exhibit sponsored by the Institute of Architectural and Urban Studies in New York last month. Among 20 projects selected from across the nation for their national interest in terms of thought and expression, was a housing proposal prepared by Penn State students.

Male role studied

The first academic course to be given at Penn State on contemporary male roles and male sex-role socialization is being offered this term by the College of Human Development. The graduate seminar, "Masculinity and Male-Sex Role Socialization," is led by Robert A. Lewis, associate professor in the Division of Individual and Family Studies.

The course is an exploration of the various role expectations and pressures that most men tace today at work and at home. The masculine pressures upon men, Dr. Lewis holds, are often destructive, as partly witnessed by the higher incidence of heart attacks, suicide and mental illness among men than among women. One way, however, in which men may help themselves is to become more aware of the pressures they face in trying to live up to the macho (masculine) images learned in early childhood and constantly reinforced by peers and the media. One of the better ways for men to do this is to examine in small groups their own personal lives, especially their relationships with women, children and other men.

According to Dr. Lewis, there are a number of active men's "tiberation" groups in the State College area, most of which have been formed by males whose wives or girl friends are members of women's liberation groups.

The women's movements have had dramatic impact on both women's and men's roles in contemporary America," Dr. Lewis notes. "In the past, most men were expected to be strong, fearless, successful, unemotional and unexpressive.

"Interestingly, Women's Liberation in recent years has not only put pressure on men to examine their own chauvinism, but also has given men permission and support to change some of their stereotyped, traditional roles. For instence, there are some men who would like to spend more time with their children and thus work only part-time, while their wives do likewise. For many men, their membership in men's groups is part of their own effort to contribute to the feminist movement."

News in brief

(Continued from page 1)

mand. The sessions are held in the student observatory atop Davey Laboratory where visitors can see a variety of celestial objects through telescopes under the guidance of astronomy club members. Earth's moon, the planet Jupiter, the Andromeda Nebula and a cluster of stars called the Pleiades will be among the objects to be seen at the first session. No tickets are required, but the show goes on only if it is possible to see most of the brighter stars with the unaided eye. If the sky is not clear, the program will be rescheduled for the following night, Saturday, Nov. 8.

ACS dinner-dance

The Central Pennsylvania Section of the American Chemical Society is celebrating the centennial of the Society's founding with a new programming twist --- a dinner-dance at 5:30 p.m. Thursday, Nov. 6, at the Elks Country Club Dr. Rustum Roy, director of the Materials Research Laboratory and professor of the solid state, will present a talk on "Nuclear Wastes: Experts' Views on Safety." Tickets for the evening are available at $5 apiece at the Department of Chemistry office, Room 152 Davey.

Flood aid given

A total of 99,000 copies of materials covering 87 critical topics were sent out from the College of Agriculture to Cooperative Extension offices even as flood waters were still rising during the recent emergency. Much of the material was packed in cars to be rushed directly to the scene in 35 Pennsylvania counties. Lessons learned in the "Agnes" floods paid off, as 23 different radio stations and 20 newspapers were served with information on such subjects as checking damaged buildings, cleaning and sterilizing cooking utensils and salvaging flooded furniture. An hour-long television special was also prepared.

Private giving totals

Gifts from private sources to the University during the year ended June 30, 1975, totalled $5,290,037. The amount, according to the annual report of the Office of Gifts and Endowments, included $878,764 from alumni; $615,874 from friends other than alumni; $1,525,098 from corporations and businesses; $1,447,658 from foundations; and $822,655 from organizations. The 1974-75 total, which resulted from 20,273 gifts, was the second highest in the University's fund-raising history. In 1973-74, the record high was $5,378,899. Of the total, $3,302,086 received in 1974-75, $3,302,567 was allocated for various programs of the Colleges of the University; $396,564 for intercollege research programs; $935,843 for student aid; and $222,023 to the various Campuses of the University. Libraries received $83,254 and religious affairs $8,594, with the balance going for other projects.

Warneke honored

Heinz Warneke, internationally known sculptor whose works include Penn State's Nittany Lion Shrine, has been named Honorary Alumnus by the University's Alumni Association. The 80-year-old sculptor will be honored on campus during the Alumni Council's annual fall meeting, Nov. 7-8. Warneke's official hosts for the weekend will be Drs. Francis E. Hyslop and Harold E. Dickson, professors emeriti of art history. Dr. Hyslop was on the faculty committee that recommended Warneke to the Class of 1940 when its members voted to give their class funds lor a statue of Penn State's athletic symbol. In being named Honorary Penn State Alumnus, Warneke joins President John W. Oswald, first to be so honored; football coach Joe Paterno; Marie Underhill Noll, widow of Distinguished Alumnus A. Robert Noll '29 for whom Noll Laboretory is named; and former Penn State president Dr. Milton S. Eisenhower.

Retired staff to meet

The Penn State Retired Staff Club will meet at 7:30 p.m. on Thursday, Nov 13, at St. Andrew's Episcopal Church Lile Center. The drama department of the State College Women's Club will present a one-act play et the meeting. Reservations, which must be received by Nov. 10, can be made by contacting Harriet Nesbitt, 237-4654. New members are welcome.

Funding opportunities

(203-1) New capacity building grants under the **National Institute of Education State Dissemination Grant Program** have a Jan. 15 deadline Continuation grants are due May 3 (Ref. 40FR6540, 10/16/75) (CFDA 13.575)

(203-2) The Office of Education has rescinded its requirement for preapplications under the **Teacher Corps Project** (Aug. 7, #190-2). The Dec. 15 closing date for applications remains in effect (Ref 40FR6543-44, 10/16/75) (CFDA 13.486)

(203-3) The Office of Education **Mattic Education Program** (Sept. 18, #178-4) announces a Nov. 24 closing date for applications. (Ref. 40FR-45543, 10/16/75) (CFDA 13.561)

(203-4) Proposed rules for Health Systems Agencies have been issued by the Public Health Service. Covered are "health services areas to provide effective health planning; health services, manpower and facilities development; efficiencies reduction; and health plan implementation." (Ref 40FR46503-12, 10/17/75)

(203-5) The Rockefeller Foundation's new fellowship program has greatly increased the number of fellowships awarded. Fellowships Awards are now available in the fields of **agriculture, the humanities, population, environment, minority-group education, conflict resolution and the arts.** In 1974, awards ranged from $1,404 to $37,500. Details from Humanities --- Dr. John Colton; Conflict in International Relations --- Dr. Richard Falk; Research for Hunger --- Dr. John A. Pino (eg sciences); Dr. R. Kirby Davidson (social sciences); Equal Opportunity --- Dr. Charles Smith; Environment --- Dr. Ralph W. Richardson Jr.; Playwrights --- Howard Klein; Minority Group --- Dr. Smith; Population --- Dr. John Knowles; and Social Sciences --- Dr Mary Kitz; all at The Rockefeller Foundation, 1133 Avenue of the Americas, New York 10036 (Ref. R.F. Illustrated)

(201-3) Proposals are of basic concern to the **development of significant engineering concepts in the national interest** and should be top Engineering technology projects are encouraged in conservation of natural resources (energy and materials), improved environmental quality, health, transportation, and communication systems Also encouraged are developmental projects for **future engineering principles and technologies**, including interdisciplinary approaches, sociological and technological assessments, and the education media. Preliminary outlines must be received by the engineering sciences, chemistry, engineering, environmental sciences, life sciences, mathematics, physics and space sciences about June 30 to be considered for funding in 1976 with stipends ranging up from $15,000. Application deadline is Jan. 15, 1976, with April awards. For further information contact Assistant Dirship Office, JH 606-P, National Research Council, 2101 Constitution Ave., N.W., Washington, D.C 20418 (Ref. NSB announcement)

(202-6) The National Endowment for the Arts has issued **Museum Program Guidelines** for FY 1977. Five programs and funds will be given: museum purchase plan, Jan. 2, 1976, utilization of collections, April 2, 1976; museum training, conservation, renovation, July 2, 1976; publications, Oct. 1, 1976; and visiting specialists and technical assistance, applications reviewed quarterly.

Oswald reaffirms Allentown mission

President John W Oswald has reaffirmed the commitment of The Pennsylvania State University to continue to develop the Penn State Allentown Campus in accord with the mission and program guidelines developed in cooperation with other colleges and universities in the Lehigh Valley area and approved by the State Board of Education.

He noted that the recent recommendation of the Governor's Management Review team to discontinue the Campus, located in Fogelsville, may have been based on misinformation or misunderstanding.

"The fact that the enrollment of the Allentown Campus is smaller than other Penn State Campuses is part of its mission as approved by the Penn State Board of Trustees and endorsed by the State Board of Education," President Oswald noted.

"The Governor's Management Review Team statement that the Campus mission was 'considered of dubious value by the National University Extension Association' also indicates a misunderstanding.

"Not only is the National University Extension Association not dubious about the Allentown mission," President Oswald reported, "but the Association early this year awarded the Allentown Campus and its director, John V. Cooney, the NUEA ACE award for its innovative program, recognizing the quality of the plans made by the Campus to implement its new mission with special emphasis on continuing education. The Campus facility, soon to be constructed on the Fogelsville site, is approved by State and Federal authorities, reflects this innovative emphasis."

PENN STATE intercom

Volume 5, Number 10 November 6, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

Unnecessary tickets

Some faculty and staff members have received parking violations that could have been prevented by just turning on the vehicle's emergency flashers. Short-time parking for loading and unloading, pick-up or delivery is permitted in parking areas and in loading zones provided the vehicle's emergency warning flashers are operating. The floating permit is not necessary if the flashers are operating, but the maximum time limit for pick-up or delivery parking is 15 minutes. If a vehicle is not equipped with emergency flashers, an acceptable alternate is turning on the vehicle's head lamps. A note affixed to the windshield or displayed on the dashboard is not an acceptable alternate.

French exchange program

Penn State has recently negotiated an arrangement with the Franco-American Commission on Educational Exchange providing for faculty exchanges with educational institutions in France. According to a recent letter from the President of the Commission, French institutions are currently interested in the possibility of faculty exchanges in the following areas. American literature and civilization; French literature and civilization; industrial management; international trade; commercial law; comparative law; law of industrial property; criminal law; domestic relations; family law; theatre arts; economics of development; anthropology, minority problems, urbanism, regional planning; and technical and vocational education. Penn State faculty interested in the possibility of participating in this program are urged to con-

(Continued on page six)

Nigel Nicolson will talk on "Bloomsbury: The Accidental Myth" at 8 p.m. Friday, Dec. 5, in Kern Auditorium under the sponsorship of the Institute for the Arts and Humanistic Studies.

An associate professor of humanities at ershey since 1972, Dr. Trautmann is vorking on the letters with Nigel Nicolon, author of the recent "Portrait of a Marriage." Volume 1 of their collebore-ion, "The Letters of Virginia Woolf: 1888-912," will appear Nov. 17 from Harcourt race Jovanovich. The book, which takes Virginia Stephen from age six to the eve of er marriage to Leonard Woolf, is the first n a projected six-volume series.

Author of nine experimental novels — among them are "Jacob's Room," "To the ighthouse," "The Waves" and "Orlando" — Virginia Woolf was also a noted critic nd essayist and one of the leaders of London's famed Bloomsbury set. Long be-ore the feminist movement, she was ver-alizing women's need for independence in order to pursue creative work in her book, "A Room of One's Own."

"Her early letters show Virginia changing from a young woman struggling with Victorian conventions to the Virginia Woolf we now know," Dr. Trautmann says. "From the beginning, her great fantasy mind and ability with language emerge, and she reveals herself as a delightful human being."

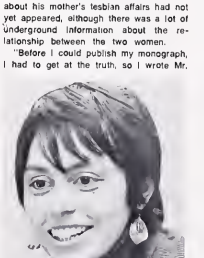
Over half of the 638 letters in the first volume are written to Virginia's intimate friend, Violet Dickinson.

"In one very moving sequence of letters," Dr. Trautmann continues, "she writes daily to Violet while the latter is ill with typhoid. During this period, Virginia's beloved brother Toby dies of typhoid, but she conceals this fact from her friend. For almost a month, she maintains the myth of Toby's being alive, mentioning things he has said and even recalling little details such as what he is supposed to have eaten for lunch that day. Her ebility to resurrect figures, which she later uses so effectively in her novels, is present here, and it's very touching to observe."

Dr. Trautmann's path to Virginia Woolf's correspondence was somewhat circuitous. She obtained a doctorate in modern fiction from Purdue University in 1967, went to Drexel to teach and in 1970 travelled to England to do research at the University of Sussex.

"I was working on a book about literary friendships," she explains. "In the process I also wrote a long essay, "The Jessamy Brides," which was eventually published as Number 36 in the Penn State Studies series. The essay deals with the friendship of Virginia Woolf and Vita Sackville West, but in 1970, Nigel Nicolson's revelations about his mother's lesbian affairs had not yet appeared, although there was a lot of underground information about the relationship between the two women.

"Before I could publish my monograph, I had to get at the truth, so I wrote Mr.



Dr. Joanne Trautmann

Nicolson and asked him. He was very helpful, and after the monograph was finished, t sent it to him, and we remained in contact.

"Then in January, 1973, Hogarth Press (which was founded by the Woolfs and published eli of Virginia's books) decided to bring out a volume of the correspondence between Virginia and Vita, and they asked Mr. Nicolson to edit it. He decided he wanted some help and asked me if I would be interested.

"I egreed, and then suddenly he wrote saying that the project had been dropped and they now wanted to do all the letters. It was to be four volumes and wes I still interested? I was — and it turned out to be six volumes."

Dr. Trautmann and Nicolson have found some 3,800 letters, about helf of them in the Berg collection of the New York Public Library. The University of Sussex has another 400 or so, and the University of Texas also has a number. The remainder are scattered in university and private collections on both sides of the Atlantic. A few owners have refused to ellow their letters to be published.

The first volume of the correspondence has excited a great deal of attention. A portion of the letters from it were serialized in "Ms." magazine, and "Publishers Weekly" celts it a "literary event," noting that a "perceptive introduction plus perlodic notes by the editors add much to this enthrating 'first acqueintence' with Virginia Woolf nee Stephen."

"I'm delighted, of course, that people are more interested in Virginia Woolf now," Dr. Trautmann notes, "but t went her to be important for the right reasons To be sure, she has a lot to teach us about the relationship between madness and art, about love between women, about suicide and about feminism; but f hope that people remember that she is first and always e major novelist."

Response made to PSUPA request

The University registered its objection with the Pennsylvania Labor Relations Board this week to the request for withdrawal of an unfair labor practice charge against the University "without prejudice" by The Pennsylvania State University Professional Association PSEA/NEA (PSUPA).

In a letter addressed to Abe Belsky, executive director of the Pennsylvania Labor Relations Board, Delbert J. McQuaide, University counsel, said "the University does object to the withdrawal of the charge at this late date 'without prejudice.' Presumably this means that PSUPA would be free to reinstate the charge at any subsequent time it wished."

He further said that "the University, of course, does not object to the withdrawal of the charge, since it believes the charge to be without merit. However, in the interests of fairness to the University and in the interest of maintaining the integrity of the Board's electoral process, the withdrawal should be 'with prejudice' to the right of PSUPA to reinstate the charge at a later date."

The case involves a charge made by PSUPA that the University Faculty Senate is an illegally dominated company union, a charge which both the Faculty Senate and the administration of the University have denied. On Oct. 21, PSUPA in a written request asked that the charge be withdrawn "without prejudice."

In his letter, McQuaide said that "it is our understanding that on Oct. 2, PSUPA filed with the Labor Board a representation petition, and that, by cover letter, PSUPA requested that the petition be expedited.

(Continued on page five)

Health benefits improved

Two changes in the University's health insurance plans, UNICARE and UNICARE-65, which became effective Oct. 1, have been announced by Robert A. Patterson, senior vice president for finance and operations.

In the UNICARE program which applies to persons under age 65, a surgical benefit for the removal of impacted wisdom teeth will now be provided regardless of where the procedure is performed. Under the former UNICARE policy, e surgical benefit applied only it the impactions were removed during a hospital confinement.

"Modern oral surgical facilities are now avellable in many communities," Patterson explains. "Since impactions can now be successfully removed at these facilities without danger to the patient, and since most people still prefer to recuperate at home rather then in a hospital, we felt thet the UNICARE surgical benefit should recognize these changes and pay accordingly."

The second change applies to the lifetime major medical maximum available to each insured member of UNICARE-65, the plan for persons over age 65 who also quatify for Medicare benefits. The lifetime maximum, which had formerly been $15,-000, is now increased to $35,000 for each UNICARE-65 participant.

"To those persons living on a tixed retirement income, the consequences of a long-term illness posed a serious threat to a family's financial security," Patterson says. "Although very few persons had reached the former $15,000 maximum, that number was certain to increase as medical costs continue their rapid escalation. We feet that the new $35,000 benefit will provide a secure margin tor the future to our retired colleegues and their families."

The University is paying the added cost of these new benefits in keeping with its policy of providing active and retired faculty and staff members with comprehensive hospital and medical benefits at the lowest possible cost.

Liberal arts seeks applicants

The College ot the Liberal Arts is seeking applicants for the positions of Associate Dean for Instruction and Assistant Dean for Instruction.

Due to administrative reorganization within the College, the responsibilities will be integrated with program development, curricular coordination and faculty personnel for the College at all locations.

As resident instruction and continuing education are integrated, the Associate and Assistant Deans will work with the undergraduate studies office as well as with the faculty members involved at each of the Campuses. These positions include many of the responsibilities that were formerly with the Associate Dean for Commonwealth Campuses and Associate Dean for Continuing Educetion.

The Search Committee appointed by Dean Stanley F. Paulson to make recommendations on candidates includes: W. Lamarr Kopp, associate dean for undergraduate studies in liberal arts; Kent Forster, professor and head, history; Marlowe Froke, director of media and learning resources in continuing education; Evelyn A. Hovanec, as-

(Continued on page five)

Letters show Virginia Woolf's comic spirit, Hershey editor says

PENN STATE COLLECTION

Faculty notes

Dr. H. Lee Mathews, professor of marketing who has been serving as acting head of the Department of Marketing, has been named head of the department. He succeeds Dr. Peter D. Bennett, professor of marketing, who resigned as head on July 1, 1974, to return to full-time teaching and research. Dr. Mathews has served on the faculty since 1965. His main areas of research are marketing planning and strategy for both consumer and industrial products companies. Dr. Mathews received his B.S. from the University of Illinois and M.B.A. and Ph.D. from Ohio State University. The author of numerous articles appearing in business journals, Dr. Mathews co-authored the book, "Analysis and Decision Making: Cases for Marketing Management." His current research projects include studies of the effect of sociological and psychological variables on credit decisions by consumers, the effect of computers on the industrial buying process and the effect of sociological and psychological "characteristic similarity" on the industrial bargaining process.

Dr. Ira V. Brown, professor of American history, gave the annual Boyd Lee Spahr Lecture in Americana at Dickinson College last month. His topic was "James Miller McKim: A Dickinson Graduate in the Antislavery Crusade." A native of Carlisle and a graduate of the college, McKim lived from 1810 to 1874. After studying both medicine and theology, he decided to devote his life to the antislavery movement. Dr. Brown's lecture was a by-product of his extensive research for a projected book on the antislavery movement in Pennsylvania from its beginning to the Germantown Protest of 1688 through the disbandment of the Pennsylvania Anti-Slavery Society in 1870.

Dr. H. K. Henisch, professor of physics, will visit the Venezuelan Institute of Scientific Investigations in Caracas, and the National University of Engineering, Lima, Peru, this month. In Venezuela, Dr. Henisch will review progress on his National Science Foundation-sponsored cooperative research program between the Institute and the University's Materials Research Laboratory. The project focuses on electrical conduction in polycrystal and amorphous alloys. Dr. Jeffrey A. Meyers, a post-doctoral student and Penn State alumnus, and Augusto Sa Neto, a graduate student in solid state science from the Institute, work with Dr. Henisch at Penn State on the project. Dr. Henisch will visit the National University of Engineering under the auspices of the Organization of American States to advise on current research, graduate training programs, and on the role of applied research in the University. He will give four lectures and will also explore the possibility of future faculty and student exchanges.

Linda Plotkin, assistant professor of art, participated in a panel discussion on printmaking at the annual Mid-America Conference of the College Art Association at the University of Missouri last week. She will also participate in the Printmaking Symposium at the Appalachian State University of the University of North Carolina Nov. 10-15. Eight prints by Ms. Plotkin are currently being shown in the "Four Women Printmakers" invitational exhibition at Smith College.

Charles L. Newmen, professor of law enforcement and corrections, is co-editor of "Perole," a new collection of essays and articles about parole in the United States. "Parole" includes the writings of lawyers, teachers, parole and probation officials, researchers, and other theorists and practitioners in the criminal justice system. The volume opens with an exploration of the foundation of modern parole and traces its historical movement from absolute incarceration to freedom within limited areas to liberation with specified conditions followed by restoration of liberty. The subsequent major divisions of the book consider, in depth, the current legal issues in the parole process, the building of a decision-making system, and some recent research about the parole process. "Parole" is published by Federal Legal Publications, Inc.

Six New Kensington Campus faculty members have been promoted to the rank of assistant professor. They are **John Patrick Cancaro,** assistant professor of business logistics; **Michael Fetack,** assistant professor of speech; **Bernard Guss,** assistant professor of engineering; **Douglas McCutlough,** assistant professor of health, physical education and recreation, **Alexander Nauda,** assistant professor of engineering; and **Ping C. Wu,** assistant professor of computer science.

Cancaro teaches accounting, statistics, marketing and finance at the New Kensington campus. His B.S. and M.B.A degrees were granted by Penn State, and he is currently working on his Ph.D. at the University of Pittsburgh.

Felack teaches speech communication and radio broadcasting and is public information officer for the campus. He earned his B.A. and M.Ed. degrees in speech from the University of Pittsburgh and worked as a professional broadcaster for 28 years.

Guss teaches engineering at New Kensington. He took a B.S. in engineering at South Dakota State University and, after serving 15 years in the United States Nevy, earned his M.Eng. from Penn State.

McCullough is in charge of instruction in recreation leadership programs at the Campus. He received his B.S. at Springfield College and his M.S. from the University of Kentucky.

Nauda, who teaches electrical engineering, has a B.S. and M.S. from the University of Pittsburgh, where he is also a Ph.D candidate.

Wu, a native of Taiwan, earned his B.A. in English from Taiwan Normal University, his M.Ed. from the University of New Hampshire, and an M.S. from the University of Pittsburgh. He is currently working on his Ph.D. there. He teaches computer science.

Three associate professors from the Department of Biology have recently presented papers on their research. **Dr. Edwin V. Gallney** read an invited paper at a conference on the cultivation of human mammary cells sponsored by the Imperial Cancer Research Fund in London. He described his work with potential cultivation systems involving normal cells derived from cosmetic surgery and from mother's milk. **Dr. C. Dale Therrien** gave three papers on his research on slime molds at the annual meeting of the American Institute of Biological Sciences at Corvallis, Ore. Co-authors included Patricia Petrick and John J. Yemma, Penn State alumni; Sharon Ventura, doctoral candidate; and Dr. O. R. Collins, U.C. at Berkeley. "Competition and Predation in Species that Saturate" was the title of the talk given by **Dr. Frederick M. Wittlams** at a seminar at the zoology department of the University of Tennessee.

Dr. Stacy Wenraub, research professor of English and director of the Institute for the Arts and Humanistic Studies, presented a lecture, "Autobiography and Authenticity," at the University of Texas last week under the sponsorship of the Humanities Research Center and the Department of English there.

Dr. Ralph T. Heimer, professor of education, has been selected as one of 13 section leaders, representing various countries throughout the world, who will be responsible for program planning for the Third International Congress on Mathematical Education, to be held in Karlsruhe, Germany, next Aug. 16-21. The section leaders will participate in a planning symposium on "Present Trends, Problems and Tasks in the Didactics of Mathematics," which will take place at the Mathematical Research Institute Oberwolfach, Black Forest, Germany, Dec. 8-12. Dr. Heimer's particular responsibility will be to write a chapter of the fourth volume of the UNESCO Series, "New Trends in Mathematics Teaching," to be published in 1976.

Two faculty members in the College of Business Administration have been named to leadership positions in the American Society of Traffic and Transportation. **Dr. Robert D. Pashek,** professor of business administration and associate dean in the College, is the new chairman of the board. He is the immediate past president. His primary interest is in logistics systems and transportation management. **Dr. John C. Spychalski,** professor of business administration is director of education for the body. He also is a member of the board of directors. Dr. Spychalski's research interests involve the economics, regulation, and administration of public utilities and transportation. The American Society of Traffic and Transportation is comprised of 3,000 representatives from business and industry, government, non-profit organizations and education. The body serves as the certification agent for professionals in the fields of transportation.

Dr. Robert Ginsberg, associate professor of philosophy at the Delaware County Campus, was guest discussant at the recent initial meeting of the Collegiate Unit for Behavioral Research for 1975-76. The Colloquium, a continuing seminar among faculty of interdisciplinary research interests in social science and related areas, was organized at the Campus last year with support from the Commonwealth Campus office. Dr. Ginsberg's discussion introduced the Colloquium's continuing focus during the Bicentennial period on the theme of "Equality. Its Philosophical, Theoretical and Methodological Dimensions." The Colloquium welcomes interest in the activities on the part of the faculty at other Campuses and hopes to extend its membership to other locations. Any interested faculty should contact Stephen J. Cimbala, associate director for academic affairs and associate professor of political science at Delaware County.

Dr. Gerald G. Johnson, associate professor of computer science in the Materials Research Laboratory, is serving as chairman of a course development sub-committee of the Committee on Data for Science and Technology (CODATA) of the International Council of Scientific Unions. The committee is organizing a course on the critical evaluation of experimental data and will hold its next meeting in Paris, France, on Nov. 27. According to Johnson, the course, scheduled at Penn State in the summer of 1973 with National Science Foundation support, is an attempt to make advanced U.S. evaluation techniques available to underdeveloped countries. The course is being tested in the NSF Chautauqua-type Short Course Program in the U.S. this year. In August, 1976, it will be taught in Europe for the first time in Yugoslavia and then in Poland the following year. The course project is supported by a grant from the United Nations Scientific and Cultural Organization (UNESCO).

Dr. Paul Edmonston, associate professor of art education, recently attended the first New England Conference of Art Educators in Portsmouth, N.H., to present an invited paper on the nature of visual intelligence in the arts. He also participated in several panels dealing with professionalism and new directions in the teaching of art. Dr. Edmonston joined the University faculty in 1960 and has exhibited his drawings in numerous regional and national juried exhibitions. He is series editor for "The Penn State Papers in Art Education" and has been associate editor of "School Arts." An exhibit of 20 drawings by Dr. Edmonston is on display in the Patter Library until Nov. 20.

Dr. Richard L. Gordon, professor of mineral economics, recently reported on "The Economics of Canadian-American Coal Relationships" at the 36th meeting of the Canadien-American Committee at Quebec City, Canada. Dr. Gordon's report discusses Canadien concern about the future prices of American coal and export embargoes which could severely harm the steel and electric power industries of Ontario. The Canadian-American Committee, established in 1957, is sponsored by two non-profit research organizations — the National Planning Association in the United States and the C.D. Howe Research Institute in Canada. Its purpose is to study and comment on problems arising from growing interdependence between Canada and the U.S. It is made up of business, labor, agricultural and professional leaders from the two countries.

Dr. T. T. Tsong, associate professor of physics, presented a series of seminars and colloquiums at three German institutes during the month of October. At the Institute of Surface Science and Vacuum Physics, Nuclear Science Center, Julich, he discussed "Quantitative Field Ion Microscopy and Single Adatoms." At the Institute of Physical Chemistry, University of Bonn, he discussed "FIM Investigations of Metal Surfaces." At Fritz Haber Institute, where he is currently on leave, and at the Free University of Berlin, he discussed "Recent Developments in Field Ion Microscopy."

Dr. Herman Cohen, professor of speech communication, was named Pennsylvania Speaker-of-the-Year at last month's annual convention of the Speech Communication Association of Pennsylvania in recognition of the distinction he has brought to the Commonwealth and the profession through his research, scholarship and leadership as president-elect of the association. A Ph.D. from the University of Iowa, Dr. Cohen taught at the Universities of Oregon and Massachusetts before joining the faculty at Penn State in 197

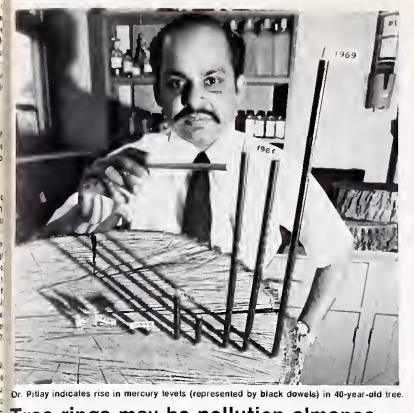
Dr. Donald J. Willover, professor of education in the educational administration program, presented the seventh annual Holloway lecture last week at SUNY, Buffalo. Dr. Willover is author of 70 publications on the school as a social organization and the theory-practice relation in education. The title of his lecture was "Reassessing Robustness and Educational Administration."

Dr. Clare A. Becker, professor of agricultural business management, has received the distinguished service award of the Pennsylvania Association of Farmers Cooperatives. He was cited for "assisting greatly the farmer cooperatives of Pennsylvania in areas of business management and policy during his 28 years on the College of Agriculture faculty." Dr. Becker's teaching and research have involved farmer cooperative business organizations, financial management of farmer cooperative the marketing ornamental nursery products, farm accounting and the marketing of poultry, eggs, and meat.

Dr. H. Seymour Fowler, coordinator of the Division of Academic Curriculum and Instruction and chairman of the science education faculty at Penn State, will co-chairman of the annual meeting which the Pennsylvania Science Teachers Association will hold Nov. 7 and 8 in Essington, Pa. Dr. Fowler is president-elect of the association. Other Penn State faculty participating in the meeting include **Dr. Roy Allison,** associate professor of education at Capitol Campus; and from University Park, **Dr. Dorothy Alike,** professor of education; **Dr. Robert Shrigley** and **Dr. Paul Bell,** associate professors of education; and **Dr. Theodore M. Johnson,** director of the Curriculum Materials Center.

Dr. Alfred R. Bobrowsky, senior research associate in the Materials Research Laboratory, has presented an invited plenary session talk in Czechoslovakia on energy and materials conservation using methods working under pressure at the invitation of the Czech Academy of Sciences. The 120-member conference was arranged by the Czechoslovakian Scientific and Technical Society. There is great and increasing interest in MUP in the East as European countries because of reductions of manufacturing expense, conservation of energy and materials and excellent ecological and safety aspects.

Two members of the University's Cooperative Extension Service staff were recipients of northeastern regional "Search for Excellence" Awards presented by the National Association of County Agricultural Agents at the organization's recent annual meeting in Milwaukee, Wis. Honored were **Dr. W. Harry Schaffer,** extension community resource development agent stationed in Berks County; and **William Uresh,** Erie County Extension director. Dr. Schaffer won his award for a paper on "Agricultural Preservation Ordinance — Zoning Answer?" Uresh was honored for his paper, "Administrative Management of a County Office."



Dr. Pillay indicates rise in mercury levels (represented by black dowels) in 40-year-old tree.

Tree rings may be pollution almanac

It's long been known that tree rings constitute a rainfall almanac, often used by climatologists to determine precipitation for the years before human records were kept.

They may constitute a pollution almanac as well.

"Trees undoubtedly take trace elements — pollutants among them — right out of their immediate environment," says Dr. K.K.S. Pillay. "Now we can tell how much they take each year and, often, where these pollutants originate.

"Trees might thus serve as unbiased monitors of just how and when certain pollutants are distributed around the globe."

Dr. Pillay, a research associate in nuclear engineering and an expert on neutron activation analysis (NAA), used that technique to collect data on some 30 elements — including mercury, zinc, silver and iron — in oak, cherry and locust trees. NAA makes possible the identification of minute quantities of certain elements in a specimen.

Dr. Pillay presented the results of his experiments at a recent international conference sponsored by the Oak Ridge National Laboratory and the American Nuclear Society, of which he is a member.

"The long-term concentration of trace elements in the environment," he says, "is not well known. We cannot now say with authority where, when and how much of a pollutent is ending up in plants and in man."

Dr. Pillay, on the other hand, was one of the scientists who, in the 1960s, helped identify mercury and other pollutants in fish of the Great Lakes. But it was at levels, he says that were readily identifiable by neutron activation. He is the author or co-author of almost a dozen papers on the subject.

"Attempts have been made to look at the mercury content of plant and animal tissues from museum specimens," he says. "Ironically, the specimens have always been preserved in solutions containing the very substance being investigated — mercury. Tree rings present an unambiguous record, year by year."

Dr. Pillay has developed profiles for mercury, silver and iron which he believes can be correlated with specific industrial activity.

In the summer of 1972, he acquired a slice from each of several trees that had been cut on the Penn State campus. He took "sawdust" samples from each ring of each tree and identified the trace elements by neutron activation.

"Silver begins a slow rise from about 1953," he says, "peaks in around 1960 and then recedes. This corresponds to the chronology of cloud seeding in western Pennsylvania, Maryland and West Virginia, which was carried on in the late 1950s and early 1960s."

Clouds are customarily seeded with silver iodide crystals.

Dr. Pillay's samples show a mercury rise in the 1950s.

"This could be due to the increased industrial use of mercury," he notes. "Reports by the Food and Drug Administration in 1970 show that of the 163 million pounds of mercury consumed in the United States since 1900, 100 million were consumed after 1950."

There is a distinct fall-oft in iron in Dr. Pillay's trees during the first decade of the 19th century.

"In those years, the iron furnaces which dotted the landscape in central Pennsylvania were being phased out," he says.

Such correlations are admittedly speculative, Dr. Pillay says, but could be made with greater reliability once tree-ring analysis has advanced beyond the trial stage.

"Most tree species are found wherever trees are found," he points out. "Using neutron activation, we could build up a considerable fund of information on the world-wide accumulation, migration and retention of trace elements."

Such information would permit an unbiased evaluation of just what industrial pollutants go where and enable corrective measures to be taken in advance of new industrial activity.

Dr. Pillay says: "We need to know much more about the way various species 'metabolize' the trace elements. In some species, for instance, certain metals are not retained. The arborvitae, on the other hand, pumps virtually all of the trace elements it receives into its center Clearly, such trees would not be useful for year-by-year dating."

Dr. Pillay was assisted in his experiments, which are continuing at Penn State, by Dr. Russell J. Hutnik, professor of forest ecology, and Dr. Wayne K. Murphey, professor of wood technology and assistant director of the school of Forest Resources.

Liberal arts applicants

(Continued from page one)

sistant professor of English, Fayette; Philip A Klein, professor of economics; Merrill E. Noble, professor and head, psychology (Chairman); Gladys Ritchie, associate professor of speech communication, Delaware County, and John D. Vairo, director, Delaware County.

Candidates will be sought from within the University from faculty members with teaching experience at the undergraduate level and demonstrated leadership and/or administrative experience.

Recommendations of candidates are requested and self-nominations are invited A curriculum vitae, with references, should accompany the recommendation. Recommendations should be received by the Office of the Dean, 110 Sparks Building, University Park, Pa. 16802, by Nov. 21. The positions are available es of Jan. 1, 1976.

The Search Committee will observe the University's affirmative action/equal opportunity standards.

Cuban literature little known here

Although contemporary Cuban literature presents a rich and varied fare, few Americans are aware of it, according to Dr. Terry J. Peavler, assistant professor of Spanish and comparative literature.

Dr. Peavler's interest in the subject grew out of his Ph D. dissertation on Alejo Carpentier, an internationally known Cuban novelist appointed by Castro as minister of culture and head of the national press. The Penn State professor slays abreast of the field by purchasing materials directly from Cuba — he's one of the few U.S. citizens currently licensed by the Treasury Department to do so — and through research in Venezuelan, Mexican and U.S. libraries.

Because of the animosity which has existed between the United States and Cuba since Castro assumed power, little news of Cuban cultural life has been available to the public. Many Americans, according to Dr. Peavler, erroneously believe that the arts do not exist, or at least cannot flourish under a dictatorship.

Government patronage has, of course, led to inferior artistic expression designed to please the Castro government, he continues, but it has also helped young writers dedicate themselves totally to their work. The same support has financed the official publishing house, Casa de las Americas, which has published and disseminated hundreds of books and numerous journals that have become major vehicles for other Latin Americen authors.

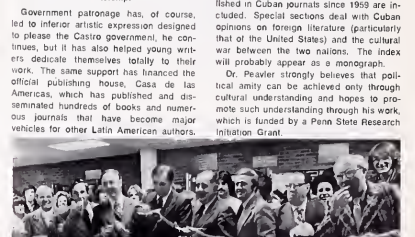
One of Latin America's leading novelists, the Chilean Jose Donoso, has gone so far as to state that the Cuban Revolution catalyzed the so-called "boom" of Spanish-American fiction by giving young authors an opportunity to write and by uniting them in the ideal of equality for all men.

That this idealism was shattered when the Cuban government imprisoned a major poet for being anti-revolutionary does not diminish the fact that Cuba and Cuban culture have formed one of the most dynamic forces in the Western Hemisphere since 1960, Dr. Peavler says.

As a scholar deeply interested in comparative literature, particularly literary relations between the United States and Latin America, Dr. Peavler hopes to end the lack of awareness of Cuban artistic efforts through a series of publications directed not only to fellow specialists but also to all persons interested in literature.

He is now preparing a special index to which all major essays on fiction published in Cuban journals since 1959 are included. Special sections deal with Cuban opinions on foreign literature (particularly that of the United States) and the cultural war between the two nations. The index will probably appear as a monograph.

Dr. Peavler strongly believes that political amity can be achieved only through cultural understanding and hopes to promote such understanding through his work, which is funded by a Penn State Research Initiation Grant.



Beaver Campus celebrated its 10th birthday with a cake for each of its 8 buildings. Making first cuts (left to right) are: Eli G. Corak, County Commissioner; Thomas M. Kreba, Advisory Board President; Joseph P. Giusti, Campus Director; State Senator James E. Ross; President Oswald; Eugene V. Atkinson, County Commissioner; Michael Baker Jr., Trustees' President; and George T. Pettibon, County Commissioner.

University response to PSUPA request

(Continued from page one)

"Neither the University nor this office, to the best of our knowledge, has received a copy of either the representation petition or the cover letter. It is our further understanding that by letter dated Oct. 6, 1975, you informed PSUPA that the representation petition would be held in abeyance until the resolution of the unfair labor practice charge."

The unfair labor practice charge was filed by PSUPA on May 28, 1974, and subsequently extensive hearings were held before Sidney Lawrence, PLRB hearing examiner. They concluded on Apr. 23, 1975, with a transcript of 1,078 pages and 96 exhibits. Extensive proposed findings of fact and briefs were prepared and recently submitted to Lawrence.

"Needless to say," McDuaide continued, "this charge by PSUPA has required the University to expend countless man hours and significant resources to defend the Faculty Senate and the collegial system of University governance. Because of the potentially serious consequences of the charge, the University was prepared to make this significant effort, and, if necessary, it is prepared to make the effort again."

In his letter, McDuaide also raised some serious legal questions that could result if the charges were to be withdrawn "without prejudice."

"For example," he asked, "if an election were held and PSUPA lost that election, would it be able to repudiate the results of the election and seek a second election because of the alleged unfair labor practice?

"In this connection, the Board should be aware of the fact that PSUPA continues to assert that the relationship between the University and the Faculty Senate illegally impedes the collective bargaining rights of the faculty."

McDuaide enclosed with the letter a statement published by PSUPA on Oct. 23 which makes the following basic points:

"1. The hearings proved that the Faculty Senate is an illegal company dominated union;

"2. The sole reason for the withdrawal of the unfair labor practice charge is to secure an early election; and

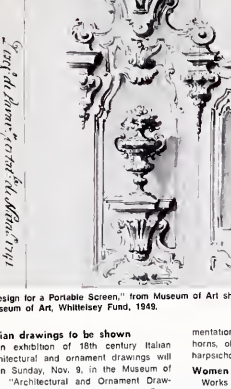
"3. The Faculty Senate should voluntarily cease from acting as a company union in order that a 'fair' election can be held."

"It is the position of the University that PUSPA should not be permitted to invoke the electoral processes of the Board under circumstances where it retains the right to repudiate the results of that process," McQueide said.

' Another serious question is whether the statute of limitations would bar consideration of the events which were the subject of the hearings before Mr. Lawrence," McDuaide said. "If the statute is at bar, would the parties be subjected to a new round of hearings and expense?

"It is the position of the University that it should not be put to the expense of defending this charge twice."

Arts roundup



"Design for a Portable Screen," from Museum of Art show opening Nov. 9. Metropolitan Museum of Art, Whitelsey Fund, 1949.

Italian drawings to be shown

An exhibiton of 18th century Italian architectural and ornament drawings will open Sunday, Nov. 9, in the Museum of Art. "Architectural and Ornament Drawings: Juverra, Vanvitelli, the Bibiena Family, and Other Italian Draughtsmen" is drawn from the collection of the Metropolitan Museum of Art, New York, where it will be displayed following its Penn State exhibition. Mary Myers, associate curator in the Department of Prints of the Metropolitan Museum, will deliver a gallery talk on the exhibit, sponsored by the Friends of the Museum, at 10:30 a.m. Tuesday, Nov. 11, in the Museum. Ms. Myers authored the catalog for the exhibition. Diverse projects are represented in the exhibit, including metalwork and designs for interiors, furniture and the stage. The letter, considered the Italian 18th century's ultimate expression of architecture and ornament in combination, is represented by many drawings. Among the furniture designs are sketches for an armchair, table and mirror frame, with such metalwork designs included as clocks, coffee urns and ecclesiastical objects. Also shown are examples of another aspect of 18th century theatre, the Theatre Sacra, designs for church celebrations such as those held during Holy Week. The show continues through Dec. 21.

Zorerich and Rubello exhibit

A two-man show of work by George Zoretich and David Rubello, both of the art faculty, is on view through Nov. 14 in Zoller Gallery. Shown are recent paintings, watercolors and drawings by the two artists. Zoretich, a professor of art, joined the faculty in 1946 and recently received the Barse Miller Memorial Award for watercolor in the 150th invitational National Academy of Design exhibition in New York. Head of the painting area in the Department of Art, he is also director of the graduate program there. Rubello came to Penn State in 1974 from the University of Michigan, where he was artist-in-residence at the Center for Adult Education and visiting lecturer. He studied at that university and in other Michigan schools and abroad at the Del Kongellge Akademi For De Skonne Kunster, Copenhagen, Denmark, and La Accademia Di Belli Arti, Rome, Italy. He has had a number of one-man shows both here and abroad.

Bach program

Music by Bach will be performed by a student chamber ensemble directed by Gregory Donovetsky, instructor of music, at 8:30 p.m. Friday, Nov. 7, in the Music Bldg. recital hall. One of the composer's few secular cantatas, "The Peasant Cantata," will feature two music graduate students, soprano Leone Uhler and bass Walter Wetts. The second and finat work on the Bach program will be the first Brandenberg Concerto, in F. Major, the largest of the six Brandenbergs in terms of instrumentation and duration. Eleven players on horns, oboes, violins, bassoon, viole and harpsichord will perform the work.

Women composers' concert

Works of women composers, including a world premiere, will be performed in a concert planned in celebration of International Women's Year at 8:30 p.m. Wednesday, Nov. 12, in Schwab Auditorium. Sponsored by the Institute for the Arts and Humanistic Studies and the Department of Music, the concert will feature performances by University music faculty, students and community musicians. Works to be played include the first performance of Daria Semegen's "Poeme ler, Dans la Nuit" for baritone and string orchestra; a piano sonata by Louise Talma; a sonata for viola and piano by Marion Bauer; a woodwind quintet by Yvonne Desportes; a piece by Elinor Remick Warren for sopreno, string quartet and contrabass, and Claire Polin's "Scenes from Gilgamesh" for flute and string orchestra. Among the performing individuals and groups will be Robert Trehy, Raymond Page, Diane Gold, Phyllis Triolo, Karen Scott, Musica da Camera, the Alard Quartet, and the Claremont Quintet. Free tickets are being distributed at the University Auditorium box office from 9 a.m. to 4 p.m. weekdays. Any remaining tickets will be available at the door.

Handblown glass at Kern

Handblown glass by students in the Department of Art is on view through Dec. 4 in Kern Bldg. Some 65 pieces, sculptural as well as functional, are being shown, ranging in size from about six inches to two feet and combining plate and free-form glass. The first such exhibition by University students, the show culminates the initial year of instruction using the glassblowing facility in the Visual Arts Bldg. Four furnaces are employed to melt four colors of glass, all recycled and donated to the department by the Brockway Glass Co. The white opal glass on display was made in the studio.

WPSX highlights

"The Implications of the Manson Phenomenon" is the subject of **Firing Line** Saturday, Nov. 8, at 7 p.m. Host William F. Buckley Jr. talks with Manson family prosecutor Vincent Bugliosi. The hour-long discussion centers on Manson and the two recent attempts to assassinate President Ford. Bugliosi also discusses the role of the death penalty in dealing with the Manson case.

The first Fox Movietone News films are the locus of **Lowell Thomas Remembers** Sunday, Nov. 9, at 7:30 p.m. The half-hour program centers around the events of 1919-1920 and includes a showing of the first Movietone newsreel, which dealt with the aftermath of World War I. Other films show General Pershing's farewell, the return of American troops from Europe, the demonstrations of Berliners against their government and' treatment by occupation forces, and the restlessness in America as economic depression lingered in the post-war years.

Gilbert and Sullivan's "Princess Ida" comes to the PBS **Special of the Week** Monday, Nov. 10, at 8 p.m. Written in 1884, the operetta is a biting satire on the women's education movement. It is performed by the Gilbert and Sullivan Society of Houston.

Band Day 1974 at Penn State is recaptured in a half-hour Penn State Television special, **Band Day,** Monday, Nov. 10, al 10 p.m. The program follows the Clearfield High School Band as it rehearses and travels to University Park for the event, which took place Nov. 16, 1974. Also on the program are highlights of the concert and commentary by the late Dr. James Dunlop, who had organized the annual event for the past quarter century. "Band Day" may also be seen Tuesday, Nov. 11, al 3 p.m. and Saturday, Nov. 15, at 1:30 p.m.

The famous woven carpets of the nomadic tribes of Persia are the focus of **The Tribat Eys,** Wednesday, Nov 12, at 8 p.m. The hour-tong documentary follows the Oashqa i nomads from their summer pastures in the Zagros Mountains of Southern Iran to their winter quarters near the Persian Gulf to see how their world famous rugs are still made in the traditional ways. The program examines the rugs as art and explores their role in the nomadic culture.

"The Wild Duck," Ibsen's comedy-drama about a dreemer who is forced to see lhe ugly truth about himself, is featured on **Classic Theatre: The Humanities in Drama** Thursday, Nov. 13, at 9 p.m. Star Denholm Elliott and Rotf Fjelde, professor of English and drama at Pratt Institute and the Juilliard School are featured in a companion program, **Classic Theatre Preview,** Tuesday, Nov 11, at 7:30 p.m. and again on Thursday immediately preceding the play. The preview looks at the work of Ibsen as seen from an actor's point of view.

Funding opportunities

(204-1) The National Institutes of Health (NIH) has announced a request ler research grant application (RFA) ter **Pathogeneals of Inflammation in the Lung.** All proposals will be reviewed by en ad hoc panol. A teller of orient is due by 12/1/75 and final applications by 2/15/76. (Rel NIH Guide, 10/22/75)

(204-4) NSF Faculty Fellowships in Science Applied to Secral Problems will be awerded to some 60 science teachers in mid-April, 1976. Application deadline date is Feb 6. All holds of science are included social sciences, mathematics and engineering. Awardees must be U.S. citizens or nationels with a baccalaureate degree end five years or more of fullstime college teaching. Information is available from NSF (202-282-7395) (Rel NSF PR/5-91)

(204-5) The Public Health Service (NNLI) has issued requlelions for the awarding of grents for projects to. (1) demonstrate the effectiveness of new techniques and procedures for prevention, diagnosis and treatment of heart, blood vessel, lung and blood diseases; (2) develop and eveluete methods of educating health precitioners in prevention and control of these diseases, and (3) develop and evaluate methods of educating the public in prevention and control of these diseases (Ref 42FR56530-32, 10/27/75)

(204-6) The Alcohol, Drug Abuse and Mental Health Administration (ADAMHA) will provide **National Research Service Awards for Individual Predoctoral and Postdoctoral Fellows** in various areas of biomedicel and behavioral research as specified in the announcement. Applicators deadline is Jen. 2, with results to be announced in June (Ref ADAMHA announcement, 10/10/75)

(201-4) Business and Professional Woman's Foundation, 2012 Massachusetts Ave., N.W. Washington, D.C 20036 (202-293-1200) offers fellowships to doctoral candidates and postdoctoral students conducting **research on the problems and concerns of working women.** Applicant must be U.S citizen or a Latin American studying in the U.S. The applicatien deadline is Jan. 1, 1976; awards for $500-$3000/year. For further information and application materials, write the address given above, including a brief vile and description of your research plans. (Ref. FO75-24) (154-1)

(201-7) American-Scandanavian Foundation (Attn Ms. M. Schulsinger, Exchange Div., 127 E. 73rd St., New York 10021) offers **fellowships for graduate study in Scandinavia.** For further information, write to the address given above. (Ref. FO75-25)

DuBois professor donates her piano

The DuBois Campus of the University now has a Baldwin spinnet piano, thanks to the generosity of Janette M. Burns, who retired last spring as an associate professor of speech.

Prof. Burns donated her piano to the Campus primarily because she is no longer able to play it as often as she used to.

"I believe a musical instrument should be used," she explains "and this was too good a piano not to be played."

Although Prof. Burns says modestly that the Baldwin was "too good a piano for me," she has been sitting before a keyboard ever since she was a child. As a teenager, she played in silent movie houses in her hometown of Waterford, Pa., and used the money she earned in the theaters to pay for additional music lessons.

Shortly before her retirement and return to Waterford last spring, Prof. Burns capped her academic career on her 65th birthday by serving as Campus marshal during commencement exercises at DuBois.

"The DuBois Campus has meant a lot to me," says Prof. Burns, explaining that she hopes the plano will help to expand the arts program there.

The plano was quickly put to use for a fall production of The Mansion Readers and has been used also by student musical groups and individuals. It is located in a combination lecture room and auditorium in Swift Building where it is available for general use as well as cultural programming.

Prof. Burns received her B.A. in liberal arts in 1930 and her M.A. in English literature in 1934, both from Penn State.

Another one of Prof. Burns' contributions to her alma mater is the composition of a history of the Penn State Players. The history, which was commissioned by the College of Arts and Architecture, will be published in the near future.

Prof. Burns says she hopes her retirement will give her more time to write. She "dabbles in verse" and short stories and is also doing academic research on the history of film



Prof. Burns at her retirement dinner.

Staff vacancies

The following vacancies ter positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in vacancies may apply by calling the Employment Division, 865-1587 (Network Line 476-1587). Applications for these staff vacancies will be accepted until 5 p.m. Thursday, Nov 13. **Do not contact the area that has the vacancy.**

Applicationa for staff vacancies are considered without regard to race, color, creed, sex, or national origin.

ASSISTANT DIRECTOR, COOPERATIVE EXTENSION SERVICE, COLLEGE OF AGRICULTURE — Southwest Region (Beaver, Butler, Armstrong, Indiana, Allegheny, Westmoreland, Fayette, Washington, Greon Counties) — Office to be located within the administrative region.

Responsible for the total Extension program in the region, and for the personnel to conduct such a program. Works closely with persons at the state level who are responsible for program development. Master's degree or equivalent, plus a minimum of five years' experience in County Extension work. Administrative experience desirable.

ASSISTANT FILM COORDINATOR, CONTINUING EDUCATION — University Park

Responsible for providing film services to the various production and programming areas, including the scheduling of personnel and equipment. A bachelor's degree in broadcasting, journalism or e related field and at lenst two years of experience in this field are desired

University Park Calendar

November 6-16

Items to be included in this calender should be sent to the Calender Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, Nov. 6

Commons Videotape, National Geographic Special, "The Incredible Machine," 12 noon, Kern lobby.

Sports: Women's Field Hockey, vs. Ursinus, 3 p.m.

Colloquy program, 4 p.m., HUB main lounge. Audrey Rodgers, English, on "Women in Literature."

Colloquy program, 7:30 p.m., HUB ballroom. University Readers, "What Do Women Want?"

Sigma Xi luncheon, 12:30 p.m., Room 101 Kern. Dr. Thomas Bates, mineralogy, on "The Land-Grant University: Science Adviser to the Public."

American Chemical Society, Central Pennsylvania Section, dinner dance, 5:30 p.m., State College Elks Country Club. Talk by Rustum Roy on "Nuclear Wastes: Experts' Views on Safety."

University Theatre, "The Caucasian Chalk Circle," 8 p.m., Playhouse Theatre

Friday, Nov. 7

Ag Hill Festival, 6.30 p.m., HUB ballroom. Annual get-together for ag students and faculty.

Commons silent film, "Phantom of the Opera," 7 p.m., Room 112 Kern.

Sports: Soccer, vs. Temple, 7 p.m., Jeffrey Field.

Folk and Square Dance Roundup, 7:30 p.m., White Bldg.

GSA's Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

University Theatre, "The Caucasian Chalk Circle," 8 p.m., Playhouse Theatre.

Le Treteau de Paris, "Phedre," 8 p.m., Schwab. Presented by the Department of French.

Student performance of music by Bach, 8:30 p.m., Music Bldg. recital hall.

Colloquy program, 9:30 p.m., University Auditorium. Ellen Burstyn, actress

Saturday, Nov. 8

Sports: Lady Lion Cross Country Classic. Football, vs. North Carolina State, 1.30 p.m., Beaver Stadium.

Hazel Union Board Annual Jammy, 8 p.m., HUB ballroom.

University Theatre, "The Caucasian Chalk Circle," 8 p.m., Playhouse Theatre.

Sunday, Nov. 9

PSOC hiking Club, exploration in Big Kettle and Black Ridge Area of Rothrock

State Forest, 9 a.m.

Chapel Service, 11 a.m., Music Bldg. recital hall. Joseph Rhodes Jr., State Legislature Representative, member, Board of Trustees.

Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Rev. David Minor, pastor, The Gospel Assembly, Coudersport, Pa.

Monday, Nov. 10

Piano recital by Steven Smith, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Nov. 11

Gallery talk, Mary L. Myers, associate curator, Metropolitan Museum of Art, on "Architectural and Ornament Drawings: Juvarra, Vanvitelli, the Bibiena Family and Other Italian Draughtsmen," 10:30 a.m., Museum of Art

Wednesday, Nov. 12

Noontime Concert, 12:15 p.m., lobby of Kern.

FSHA 410 dinner, The First Thanksgiving, 5:30 p.m., Maple Room, Humen Development. Reservations required, 865-7441.

Concert of Women Composers, 8:30 p.m., Schwab Auditorium. Sponsored by the

Computation Center, 7:30 p.m., Room 108 Forum. "RJE(1)."

Tuesday, Nov. 11

Ceramic Science, 9.35 a.m., Room 301 Mineral Industries. Dr. R. Hogg, material sciences, metallurgy section, on "Segregation in Flowing Powders."

Plant Pathology, 9.45 a.m., Room 213 Buckhout. Dr. Leonard Weinstein, Boyce Thompson Institute, on "Interactions between Biotic and Pathogens and Air Pollutants."

ARL, 10.45 a.m., Eric A. Walker Conference Room, on "Discrete Fourier Transform Techniques."

Biochemistry, 11.10 a.m., Room 101 Althouse. Dr. Irwin Goldstein, biological chemistry, University of Michigan, on "Immunochemical Studies of Some Carbohydrate-Protein Conjugates."

Comp Lit luncheon, 12:15 p.m., Presidential Room, Hotel State College. Murray Martin, associate dean, University Libraries, on "Landscapes into Poetry: The New Zealand Experience."

Analytical Chemistry, 12.45 p.m., Room 333 Whitmore. C. E. Figgins on "Thermodynamic Indexing of G. C. Liquid Stationary Phases."

Institute for the Arts end Humanistic Studies.

Artists Series, Four Decades of American Film Festival, "All Quiet on the Western Front," 8:30 p.m., University Auditorium.

Thursday, Nov. 13

Commons Videotape, 12 noon, Kern lobby.

Dr. Eugenio Battisti, art history, on "Boccaccio and the Visual Arts," 8 p.m., HUB Auditorium.

Friday, Nov. 14

Sports: Soccer, vs. Pittsburgh, 7 p.m., Jeffrey Field.

GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, Nov. 15

Sports: Women's Cross Country USTFF Meet.

Sunday, Nov. 16

Sports: Men's Cross Country Eastern USTFF Championships.

PSOC Hiking Club, hunt for Old Wheeler, Brewer and other trails on Tussey Ridge, 9 a.m.

Black Christian Fellowship worship service, 11 a.m., Black Culturel Center. Elder Harold McKenzie, chairmen, Black Christian Fellowship, Board of Elders.

Seminars

Thursday, Nov. 6

Agronomy, 8:15 a.m., Room 301AB Ag. Administration. Dr. Pete Fletcher, forestry, on "Research Associated with the Pine Creek Watershed."

Chemistry, 12.45 p.m., Room 333 Whitmore. Donald R. Johnson, National Bureau of Standards, on "Molecules in the Interstellar Environment."

Economics, 3.30 p.m., Room 101 Kern. Dr. Warren Robinson on "Indirect Social and Economic Effects of Export Taxes in Thailand." Discussants: Wayne Schuler, agricultural economics, and John Riew, economics.

Anthropology, 3.30 p.m., Room 107 Social Science Bldg. Fruma Klass, editor and editorial consultent, on "How to Get Cited In Someone Else's References: Writing the Publishable Paper."

Physics, 3.30 p.m., Room 117 Osmond. E. P. Gross, Brandeis University, on "Topics on Kinetic Theory of Gases and Plasma."

Microbiology and Cell Biology, 3:55 p.m., Room S2 Frear. Dr. Satvir S. Tevethie, Tufts University School of Medicine, on "Lymphocyte-Macrophage Interaction in Tumor Rejection."

Meteorology, 4 p.m., Room 26 Mineral Sciences. Frederick T. Boland, graduate student, on "Modeling Heat Fluxes and Surface Temperatures over Urban Areas."

Philosophy, 4 p.m., Room 151 Willard. Dr. Robert Tompkins, Oregon College of Education, on "The Theory of Relativity and Buddhism."

Computation Center, 7:30 p.m., Keller Bldg. "Introduction to the Computation Center (4)."

Friday, Nov. 7

Engineering Science and Mechanics, 4 p.m., Room 215 Hammond. Dr. Patrick J. Smith, IBM, Poughkeepsie, on "Dislocations in Electronic Devices."

Monday, Nov. 10

Biochemistry, 11.10 a.m., Room 101 Althouse. Dr. Irwin Goldstein, biological chemistry, University of Michigan, on "Lectin as Carbohydrate Binding Proteins."

Genetics, 3:55 p.m., Room 111 Tyson. Don Zeaser, School of Forest Resources, on "Interracial Matings of Scotch Pine: F, Characteristics."

Enlomology and Plent Pathology, 4 p.m., Room 204 Patterson. Dr. Richard DeCapue, University of Connecticut, on "Immunological Techniques Applicable to the Study of Baculovirus."

Air Pollution Control, 2:20 p.m., Room 140 Fenske. Alex Mistevy, graduate student in mechanical engineering and air pollution control and equipment engineer with Corning Glass Works, State College, on "Thermal Deposition of Small Particles."

Entomology and Plant Pathology, 4 p.m., Room 213 Buckhout. Dr. Richerd DeCapua, University of Connecticut, on "Antigenic Characterization of the Baculoviruses."

Computation Center, 7:30 p.m., Room 158 Willard. "JCL(5)."

Wednesday, Nov. 12

Computation Center, 7:30 p.m., Room 108 Forum. "RJE(2)."

Thursday, Nov. 13

Agronomy, 8.15 a.m., Room 301AB Ag. Administration. James Eekin, Ag. Extension, on "Bahama Project — Update."

Chemistry, 12.45 p.m., Room 333 Whitmore. Herbert D. Kaesz, UCLA, on "Aromatic Metalation Reactions with Methylmanganese and Methylrhenium Carbonyl Complexes."

Mathematics, 4 p.m., Room 102 McAllister. Garerd Sacks, Harvard University, on "Algebraically Closed Division Rings."

Computation Center, 7:30 p.m., Room 158 Willerd. "JCL(6)."

Exhibits

Museum of Art: 200 Years of Royal Copenhagen Porcelain. Architectural and Ornamental Drawings: Juvarra, Vanvitelli, the Bibiena Family, and Other Italian Draughtsmen, opening Nov. 9. Drawings from the Permanent Collection.

HUB Gallery: U.N. Exhibit. Multi-media exhibit on women.

Kern Gallery: Renescence Gallery Exhibit, Live-in-Art, through Nov 8. Wendy Snetsinger, photography. Waskewich Gallery Print Sale and Exhibition, Nov. 10-14. Handblown glass by art students.

Zoller Gallery: Zoretich and Rubello.

Chambers Gallery: Art Department student group show. Gold and silver by students of SUNY at New Paltz.

Cultural Center, Welnut Bldg.: An exhibit of mixed media, the work of the Pittsburgh Chapter of the National Conference of Artists.

Pattee Library: Exhibit of crafts, main lobby Drawings by Denise Peleski, lending services lobby. Drawings by Dr. Paul Edmonston, through Nov. 20. Batik paintings by Sharon Sell, opening Nov. 11, east corridor lobby.

Hammond Gallery: One-man show by Paul Harchanik, instructor of art, Nov. 9-14

Films

Friday-Sunday, Nov. 7-9

"Dey of the Dolphin," 7:30 and 10 p.m. Room 102 Forum.

"Frankenstein," Andy Warhol, 7:30 and 10 p.m., Findley Rec Room.

"Thunderbolt and Lightfoot," 7:30 and 10 p.m., Forum.

"S*P*Y*S," 7:30 and 10 p.m., Pollock Rec Room.

"American Graffiti," 7:30 and 10 p.m., Redifer Room D.

Friday-Sunday, Nov. 14-16

"Animal Crackers," 7:30 and 10 p.m., Room 102 Forum.

"A Man for All Seasons," 7:30 and 10 p.m., Findley Rec Room.

"A Night at the Opera," 7:30 and 10 p.m., Redifer Room D.

"King of Hearts," 7:30 and 10 p.m., Waring Lounge.

University Schedule

Friday, Nov. 14

Last day for signing fall term Emergency Loans. Room 106 Shields.

Saturday, Nov. 15

Classes end.

Meetings

Thursday, Nov. 6

Panhelienic Council, 7:30 p.m., HUB main lounge. "Career Opportunities for Women."

PSOC Ouling Club, 7:30 p.m., Room 214 Boucke. Film, "By Nature's Rule."

Tuesday, Nov. 11

Faculty Seneie, 2:10 p.m., Room 112 Kern.

Wednasday, Nov. 12

Penn State Mining Engineering Society, 7:30 p.m., Room 26 Mineral Sciences. F. W. Paddock, senior engineer-underground, Consolidation Coal Co., Pickneyville, Ill., on "Current Aerial Surveying Practices at Consotidation Coel Co., Midwesiern Division."



Self-portrait by Paul Harchanik in his Hammond gallery show.

Arts roundup

Harchanik exhibits

Paul Harchanik, instructor of art, will exhibit some 300 recent prints, drawings and collages in a one-man show from Nov. 9 through 14 in Hammond Gallery, with a public reception planned from 8 to 10 p.m. Monday, Nov. 10, in the gallery. The exhibit will constitute the master of fine arts show by Harchanik, who joined the University art faculty this year. He holds a bachelor's degree from East Carolina State University.

Smith to play

Piano works by Beethoven, Ravel and Liszt will be performed in a recital by Steven Smith, assistent professor of music, at 8:30 p.m. Monday, Nov. 10, in the Music Bldg. recital hall. Four movements from Ravel's "Tombeau de Couperin," written in memory of the 18th century French master, Francois Couperin, will be performed in honor of the 100th anniversary of Ravel's birth. Each movement of the work commemorates individually a friend of Ravel who died in the first World War. "Eglogue" from Years of Pilgrimage, Vol. 1, and "Mazeppa," transcendental etude #4, both by Liszt, will also be performed The 1952 "Mazeppa," which Liszt also composed in orchestrel version, is a heroic tone poem on the mythical-historical Ukreinian national leader. Beethoven's "Sonate in A Mejor," opus 2 #2, and his "Sonata in E Major," opus 109, will complete Monday's program. Smith, e frequent soloist with area orchestras, made his European debut at the Salzburg Mozert Festivel as a Fulbright scholar at the Mozerteum Academy in Austria.

Battisti lecture

Dr. Eugenio Battisti, professor of art history, will speak on "Boccaccio and the Visual Arts" at 8 p.m. Thursday, Nov. 13, in the HUB Auditorium. Sponsored by the Departments of Art History end Spanish, Italien, and Portuguese, the lecture is open to all interested parsons.

News in brief

(Continued from page one)

tact the office of the University Committee on International Programs (UCIP), Room 306, Willard Bldg. (865-9549) for further information.

Program to train paramedics

A model program to channel the unemployed into understaffed health care professions will be launched at the New Kensington Campus Dec. 8. One hundred unemployed or underemployed persons will be accepted in the program, which is funded in part by a Pennsylvania Department of Education Vocational Training grant of $139,100. The program is two-pronged. Fifty jobless persons will be prepared to serve as medical paraprofessionals and 50 more (including currently employed x-ray technicians) will be trained as radiological health technicians.

Both programs will require at least one year of clinical and academic study, according to Dr. George Shoffstall, assistant director for continuing education in the College of Science. The courses, many of which were specially designed for the programs, will be offered by Penn State fecuty members at New Kensington, while clinicel training will be provided at hospitals in the Pittsburgh area. Dr. Shoffstall expects the medical paraprofessional aide program to have the greatest impact on the unemployed participants. "We're counting on that part of the effort to give these individuals their first step on the hospitel career ladder. We hope it will enable them to get themselves out of the unemployment spiral and to regain and hold their self-esteem," he says.

Subarctic plants illustrated

George H. Beatty, associate curator of the Frost Entomological Museum, will present a public lecture, "Plant Hunting in Newloundland and Labrador," at 7:30 p.m. tonight (Thursday) in Room 112 Kern Bldg. Using six lap-dissolve projectors and multiple screens, Beatty will illustrate many little known plants and their subarctic habitats simultaneously, with botanical and location data superimposed on the screens. Maierial of botanical, environmental, geographic and photographic interest, derived from his recent research on northern endemic plants, will be included in the presentation. The lecture is sponsored by the Penn State Biological Society in collaboration with the Horticulture Club and Phi Sigma and Pi Alpha honorary societies.

Hershey becomes neonatal center

The Milton S. Hershey Medical Center has been named one of four hospitals to participate in the Neonatal Surgery Program of the Pennsylvania Department of Health. Other state neonatal surgery centers have been established at Children's Hospital and St. Christopher's Hospital for Children, both in Philadelphia, and Children's Hospital of Pittsburgh. These regionel centers were established to treat infants with a number of congentiat malformations of the intestinal, respirator and urlnary tracts. At the Medical Center there is a neonatal intensive care unit which has ten acute care beds, eight of them electronically monitored. There is also a tenbed Intermediate care and recovery area. The nursing staff consists of 33 specially trained nurses with an everage staff of two patients to one nurse or better.

Dr. Stephen J. Shochat, chief of pediatric surgery at Hershey, will be the director of the neonatal surgical center. He is e graduate of Randolph-Macon College and the Medical College of Virginia and served residencies at Barnes Hospital in St. Louis, Mo., and Children's Hospital Medical Center in Boston, Mass. He held a fellowship in surgical research at Children's, then was awarded a Fulbright Scholarship in Medicine (Thoracic Surgery) at Queen Elizabeth Hospital in Birmingham, England. He received a fellowship in thoracic surgery at George Washington University, Washington, D.C., then became chief of pediatric surgery and assistant chief of thoracic surgery at Malcolm Grow U.S. Air Force Medicel Center at Andrews Air Force Base, before coming to Hershey. His current research deals with the study of various aspects of tumor immunity in childhood cancers.

Volunteers needed

The Voluntary Action Center of Centre County, Inc., (VAC) is seeking individuals willing to donate their services in their areas of expertise on a consulting basis. VAC has no paid employees; it seeks to match the skills and services of volunteers with agencies and individuels needing help. The Center has a Transportation Corps for countians who have no other means of lending rides. Drivers willing to undertake one-time assignments or to drive one person regularly are needed in Howard, Bellefonte, Mountain Top, Pleasant Gap, Philipsburg and Snow Shoe. Without help, many residents are unable to get to well-baby clinics, medical appointments or counseling services. (VAC insures all its drivers.) The VAC office is located at 409 S. Allen St., State College. It is open Monday through Friday, from 10 a.m. to 3 p.m. Telephone 234-8222.

International holiday planned

Because of the success of last year's first international Holiday Festival, a second will be held this year from Dec. 8 through 14. Religious, cultural and social events representative of different holiday customs around the world will be recreated, and there will be concerts, films, dances, art exhibits and native craft demonstrations. Sponsoring campus groups, which include the International Student Council, hope the Penn State community will join with them in the spirit of the holiday season. Anyone caring to participate in the actual planning and organization of the festival should contact J. William Johnston, chairman of the campus-wide program committee, at 865-1878.

"Pivot" picks Nobel laureates

"Pivot," the magazine of poetry founded and edited by Joseph L. Grucci, retired associate professor of English, maintains its record for picking Nobel laureates. An article by Grucci in the 1974 issue hailed "Eugenio Montale: Nobel Candidate." In it Grucci, who established Penn State's Poetry Workshop when he came to the University in 1950, analyzes Montale's influence and supports his candidacy for the Nobel Prize — which he received this fall. At the outset of his career, Grucci was also one of the first translators of the Chilean poet, Pablo Neruda, long before he received the Nobel Prize for poetry, and "Pivot" has published a number of Grucci's translations over the years.

Six-week session cancelled

During the 1976 summer term, the University will not offer a six-week session along with the regular ten-week term as it did last summer. The six-week session had been scheduled on an experimental basis, subject to evaluation and review, primarily to accommodate teachers and others. The evaluative report indicated that both the quality end quantity of instruction offered for the six-week program was less than satisfactory to students and faculty and also cited scheduling and administrative problems with the dual program presented. Classes for the ten-week term will begin on June 9, following orientation, advising and registration, and terminate on August 18, followed by three days of final examinations. Commencement is scheduled for August 28.

Capitol Campus building begun

Construction on a new multi-purpose academic and recreational building at Capitol Campus has begun. The structure is located directly south of the present main building. Classrooms, conference rooms and staff offices will be located in one area of the building, which will also house an area for indoor sports such as basketball, handball, volleyball and gymnastic events, along with locker room facilities.

Check before dialing

A number of faculty and staff members report being inconvenienced as the result of improperly dialed telephone calls within the University. University Telephone Service reminds persons calling into and within the University Park telephone system that there are both 863 and 865 numbers on campus. Callers are requested to check the telephone directory carefully end lo insure that they use 5 for 865 numbers end 3 for 863 numbers. Callers at Commonwealth Campuses dialing University Park on the Pennsylvania Network should use 475 for 865 numbers end 433 for 863 numbers.



A $1 million Study/Learning Center at the Worthington Scranton Campus was dedicated Friday, Oct. 31, during a luncheon at which President John W. Oswald delivered the dedication address.

The two-story structure contains approximately 20,000 square feet. It will house a game room, food service area and a walk-in book store on the upper level. The lower floor has a quiet lounge, three classrooms, three seminar rooms, student government offices and meeting rooms and student affairs olices including counseling and health rooms.

T. E. Lawrence book published

Stanley and Rodelle Weintraub are the authors of a new book, "Lawrence of Arabia The Literary Impulse," the first study of the writing career of T. E. Lawrence. It will be published Nov 10 by Louisiana State University Press.

Stanley Weintraub is research professor of English and director of the institute for the Arts and Humanistic Studies, and Rodelle Weintraub is an instructor of English. They co-authored an earlier book, "Evolution of a Revolt: Early Postwar Writings of T. E. Lawrence."

More than he wanted military lame or political influence, Lawrence wanted to succeed as a writer, and in his "Seven Pillars of Wisdom" he produced, in the Weintraubs' estimate, one of the great autobiographies in English.

The trouble was that he used himself up in his memoir and had nothing left to write about, the Weintraubs explain. Although he could have had a high military post, Lawrence pulled strings to join the air force as a private, seeking material to turn into literature.

He did complete a draft of a semifictionalized memoir of Royal Air Force recruit training, "The Mint," but its explicitness so horrified British officialdom that in his lifetime it never went beyond circulation in manuscript to friends. He also completed an effective translation of Homer's "Odyssey," which he published in 1932 under the name of T E. Shaw.

Ironically, the Weintraubs point out, the man who translated Homer from the Greek was technically classified as illiterate by the air force. Lawrence deliberately flunked his literacy exams to avoid promotion.

The last piece of writing he saw published during his lifetime was a technical manual, "The 200 Class Royal Air Force Seaplane Tender." He had grandiose plans for setting up his own press after retirement from the service, but he was killed a few months later in a motorcycling accident.

"Although he had the necessary technical ability," the Weintraubs conclude, "Lawrence lacked inspiration, the power of invention necessary to sustain a continuing career as a writer."

Mrs. Weintraub, assistant editor of the "Shaw Review," is the editor of the forthcoming "Fabian Feminist: Shaw and Woman." Dr. Weintraub is the author or editor of more than 20 books, including "Private Shaw and Public Shaw," a dual biography of Bernard Shaw and Lawrence, "Reggie"; "Beardsley"; "The Last Great Cause" and "Whistler. A Biography."

Journal focuses on science, values

The current fall issue of "The Journal of General Education" focuses on the topic of science and values.

"Science is not just an enterprise engaged in by experts who accumulate specialized knowledge for obscure ends," Journal editors Robert and Caroline Eckhardt write in their introduction to the issue. They continue:

"The eminent British science writer Lord Ritchie Calder has formed science 'knowledge working for its living.' As it works for its living, science is shaped by, and in turn shapes, our values; it is right and proper for scientists and nonscientists alike to attend to this process of mutual influence."

Articles in the issue discuss the impact of the National Science Foundation on the education of scientists in the United States since the agency's founding 25 years ago. Other articles consider the ethical and legal problems in fetal research, the Jensen-Shockley controversy over the inheritability of intelligence, and the relationship between logical empiricism and religious modes of thought.

Three members of Penn State's faculty have contributed to the journel, which is published by the University's Press. Dr. Henry Johnstone, professor of philosophy, is the author of "Introducing Genesiology," in which he presents a detailed philosophical consideration of the problems involved in defining the point at which life begins and discusses the morel and legal implications of various definitions. Dr. E. E. Hunt Jr., professor of anthropology and health education, overlooks Arthur Jensen's "Educability and Group Differences" from the standpoint of an anthropologist, and Dr. John J. Wiorkowski, assistant professor of statistics, brings his point of view to bear on "Race Differences in Intelligence."

Caroline Eckhardt is an assistant professor of English and comparative literature and Robert Eckhardt, an assistant professor of anthropology at the University



Dr. Gerald Bottorff, assistant professor of mathematics at Mont Alto, lights a candle as the person whose deposit boosted the Penn State Federal Credit Union to over $2 million in shares. A savings and loan organization open to all employees, the Credit Union has almost 3,000 members.

PENN STATE intercom

Volume 5, Number 11 November 13, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Faculty club license essential for operation, Olson says

Dr. Donald R. Olson, president of the Faculty Club and professor and head of the Department of Mechanical Engineering, said on Monday, in advance of hearings by the Pennsylvania Liquor Control Board (PLCB), that the Faculty Club's application for a club liquor license is essential to successful operation of the Club and should not be a threat to local tavern owners.

Officers of the Faculty Club testified on behalf of the Club's application at hearings by the PLCB yesterday, Wednesday, Nov. 12, in the State Office Bldg., Altoona.

The Club last March applied to the PLCB for a club license which would permit the serving of alcoholic beverages to members of the Club and to their guests.

Dr. Olson pointed out that affiliation with the nearby Nittany Lion Inn, as has been suggested by some who oppose the issuance of the club license, would weaken the autonomy of the Faculty Club.

To qualify for the use of the license now held by the Inn, Dr. Olson said, the Faculty Club building, now under construction, and the Inn would need to have a structural connection. This would damage the architectural features of the new building.

In addition, he pointed out that all liquor services in the Club would be required to be under the management of the Inn and thus the Club would lose the revenue from sales.

Under the PLCB regulations, the Faculty Club license application involves, among other questions, a determination as to whether or not the State College area is a resort area within the meaning of the Liquor Code. Harris Twp. was determined to be a resort area in 1965 when a license was issued to the Elks Club, located in the township. No other license has been granted in Harris Twp. under the resort provision.

Dr. Olson reported that PLCB personnel have explained that issuance of the license under the resort area provision does not open the area to unlimited retail licensing as has been suggested by opponents of the Faculty Club license. Applicants for a liquor license would continue to be required to show evidence of substantial need for the issuance of each license.

The Faculty Club was incorporated by the Commonwealth in 1973 with 220 charter members. Membership now totals 450.

Plans for the Faculty Club building, designed by Venturi and Rauch, Philadelphia architects, were approved by the Board of Trustees of the University earlier this year and construction was started in late summer. Completion is expected next August.

The building, costing $909,000, is financed by private gifts given for a faculty club, and on completion the building will be leased to the Faculty Club which will have responsibility for its operation.

The application filed in March by the Faculty Club is the only liquor license application for facilities on the University Park Campus now pending before the PLCB, Dr. Olson said.

He said that Robert A. Patterson, senior vice president for finance and operations, has denied reports that applications for a license for the Hetzel Union Bldg. or for the Kern Graduate Bldg. have been filed, saying that the Board of Trustees has not ever considered this action and that the University has no plans at this time to file for such applications.

News in brief

Pattee assignments Dec. 1

Members of the faculty who wish to obtain study space assignments in Pattee Library for the winter term should note that the assignments will be made on a first-come, first-served basis Monday, Dec. 1, beginning at 7:45 a.m. in Room 106 General Pattee. There are only 46 such spaces. Further questions should be directed to Dordella Swinton, 865-5420.

1,775 degree candidates

Approximately 1,775 persons are listed as candidates for degrees at University Park commencement exercises Saturday, Nov. 29, at 10:30 a.m. Of this number, 468 will be receiving advanced degrees, 1,193, baccalaureate degrees and the remainder, associate degrees. President Oswald will be the commencement speaker, and Trustee Helen Wise will assist in conferring the degrees.

Calendar material due

INTERCOM will not be published during term break. The Dec. 4 issue will carry the winter term calendar, and material for it should be sent to the Calendar Editor, 312 Old Main, by Nov. 20.

Non-discrimination affirmed

In a resolution approved at last week's Trustee meeting, the Board reaffirmed its non-discrimination policy in recruitment, hiring, and promotion of all employees to include the handicapped.

The resolution, as approved, reads:

"RESOLVED, that the Board of Trustees hereby reaffirms the University's established policy of non-discrimination in recruitment, hiring and promotion of all employees. The Board further reaffirms the University's policy of maintaining programs of affirmative action to avoid such discrimination. The officers of the University are directed to continue to administer all personnel policies without regard to race, creed, color, national origin, handicap or age as provided by law, or sex, except where sex is a valid occupational qualification. The officers are further directed to periodically review all programs of affirmative action to ensure compliance with the policy of non-discrimination."

Winter parking rules

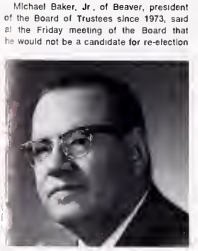
Beginning Saturday, Nov. 15, 1975, and continuing through Wednesday, March 31, 1976, wintertime parking regulations will be in effect at University Park. Parking will be prohibited in most parking areas from 2:30 to 6 a.m. so that accumulated snow can be plowed and/or removed. All parking areas that are designated as snow removal areas will have signs posted at the entrance stating, "No Parking 2:30 a.m. to 6 a.m." The no parking rule is in effect whether or not snow is on the ground. If snow should accumulate before Nov. 15 or after March 31, faculty and staff members and students are requested not to park vehicles overnight in snow removal areas.

(Continued on page three)

Larson, Baker plan to retire

Trustee head to step down after Jan. 17 elections

Michael Baker, Jr., of Beaver, president of the Board of Trustees since 1973, said at the Friday meeting of the Board that he would not be a candidate for re-election as president when the annual elections are held on Jan. 17.



Mr. Baker

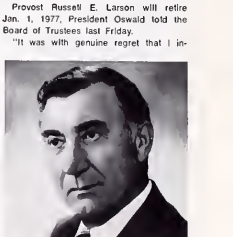
Mr. Baker, who is chairman of the Board and chief executive officer of the Michael Baker Corp., Beaver, worldwide consulting engineering firm, has been a member of the Board since 1964, serving as a trustee elected by alumni of the University. He is a 1936 graduate of Penn State.

Mr. Baker explained that his decision was made in accordance with a policy of the past few years under which a Board president serves only three one-year terms, a policy which he believes is for the good of the University.

Search committee will seek Provost's replacement

Provost Russell E. Larson will retire Jan. 1, 1977, President Oswald told the Board of Trustees last Friday.

"It was with genuine regret that I informed the Board of Dr. Larson's plans for early retirement at age 60," Dr. Oswald said, explaining that he was announcing the plans because he knew that Dr. Larson's decision was unchangeable and that plans must be made immediately for the search and ultimate appointment of a new provost.



Dr. Larson

Dr. Larson, who has served as provost since 1972, joined the Penn State faculty as assistant professor of horticulture in 1944. He was named head of the Department of Horticulture in 1952, associate dean and director of the Cooperative Extension Services in 1962, and dean of the College of Agriculture in 1963. He was also director of the Agricultural Experiment Station from 1969 to 1972.

"In his 31 years, he has given great service to students and his efforts have been of untold benefit to the state, as well as to the University," President Oswald continued.

He said he would begin to take steps immediately to organize a committee, representing faculty, administration and students to assist in seeking nominations and applications. The committee will be asked to develop a list of six to ten individuals, screened from the various candidates, who

(Continued on page four)

Projects funded

Various educational and campus development projects will benefit from the allocation of $71,678 in undesignated funds received from alumni and friends through the University's Office of Gifts and Endowments.

Recommended by the Proposal Evaluation Committee, the allocations were approved last week by the Board of Trustees.

The sum of $15,578 has been set aside for the enrichment of cultural offerings. Included are $2,698 for a collection of American musical shows for the arts collection of the Pattee Library — 100 phonodiscs and 100 musical scores representing the history of the American musical show; $10,000 for Nittany Mountain Summer, for the partial support of the Pennsylvania Ballet in residence next summer; and $2,880 for the additional cost of a harpsichord to be used by Artists Series, Nittany Mountain Summer and other groups.

For financial assistance to students, $37,500 has been allocated. $25,000 for Alumni Memorial Scholarships and $12,500 for renewals of Alumni Memorial Scholarships for spring term, 1976.

For improvement of the quality of campus environment, $2,200 has been designated for a rock pedestal for the bronze Pennsylvania lion at the Berks Campus.

Other projects, for which $16,400 has been specified, include $3,000 for recording on video-tape a series of approximately 20 interviews with alumni of the College of Business Administration for the use of undergraduate students throughout the University; $900 for printing 200 copies of a compilation of current and retrospec-

(Continued on page four)

Open committee meetings studied

With the approval of members of the Board of Trustees, Michael Baker Jr., president of the Board, last Friday asked the ad hoc committee, which had been appointed last year to study rules and regulations for conducting meetings of the Board, to review again procedures, particularly with reference to opening meetings of the Standing Committees to the public.

Standing and other committees of the Board are not authorized to take action on behalf of the Board, and their meetings as such are considered working sessions and are not open to the public. The meetings, however, are attended by invited students and faculty members who participate in discussions but do not vote.

Meetings of the Board of Trustees were opened to the public by action of the Board, taken on July 19, 1974, effective with the meeting of Sept. 20, 1974.

PENN STATE COLLECTION

Faculty notes

The National Research Council has named **Dr. Herschel W. Leibowitz**, professor of psychology, to the Executive Council of the Committee on Vision of the Assembly of Behavioral and Social Sciences. The council is the principal operating agency of the National Academy of Sciences. Organized in 1956, the Committee on Vision responds to problems concerning any aspect of vision, ranging through engineering and equipment, the physics of light, physiology of response, individual perception and group or social response. The Committee is supported by the three armed services and two agencies, the Federal Aviation Administration and the National Aeronautics and Space Administration. A member of the faculty since 1962, Dr. Leibowitz's research interest is in the field of visual perception.

Dr. John H. Riew, professor of economics, testified Nov. 12 before the Intergovernmental Relations and Human Resources Subcommittee of the U.S. House of Representatives on revenue-sharing legislation currently being reviewed. The current revenue-sharing program, which began with the first-year payment of $5.3 billion for 1972 to various state and local governments, will be terminated with a $6.5 billion payment for 1976. The Congress is now considering whether the program should be extended beyond 1976 and, if so, the modifications necessary in the allocation formula to improve the program. Dr. Riew, a member of the University faculty since 1964, has conducted considerable research in the area of fiscal relations and has published a number of articles in this area in recent years.

Dr. Harald Schraer, professor of cell biology, has been invited to participate in the annual meeting of the American Society for Cell Biology this week in San Juan, Puerto Rico. He will chair the session on Extracellular Matrix, where he will present a paper co-authored by Dr. Carol V. Gey, a research associate, titled "Ultracryotomy and Ultramicro-Incineration of Matrix Vesicles in Newly Synthesized Bone."

Dr. Samuel H. Levine, director of the Breazeale Nuclear Reactor and professor of nuclear engineering, presented an invited paper and chaired a session at the Fifth Californium-252 Utilization Meeting, sponsored by the Energy Research and Development Administration, last week in San Diego, Cal. His talk was entitled "The Fundamentals of Neutron Multipliers" and he chaired the session, Design and Application of Neutron Multipliers. The purpose of the meeting, which was attended by representatives from universities, government, industry and medicine, was to present various methods of using the new, powerful neutron source, Californium-252, for research, medical and industrial purposes.

Dr. Thomas D. Larson has been redesignated chairman of the State Transportation Advisory Committee and appointed to the Governor's Science Advisory Committee by Gov. Milton J. Shapp. Professor of civil engineering and director of Penn State's Transportation Institute, Dr. Larson was appointed as the first chairman of the Transportation Advisory Committee in 1969 by Gov. Raymond P. Shafer. He has previously served as a member of a transportation task force to the Governor's Science Advisory Committee. A member of the faculty since 1957, Dr. Larson earned his B.S., M.S. and Ph.D. in civil engineering at the University. He has done extensive research in the broad areas of transportation, concentrating recently on state transportation policy issues.

Dr. Sabih I. Hayek, associate professor of engineering mechanics, delivered a paper entitled "Acoustic Diffraction by Impedance Edges" at the Acoustical Society Meeting at San Francisco last week. He is also presenting an invited paper, "Target Strength of Coated and Uncoated Structures" at a NATO-sponsored meeting this week in LaSpezia, Italy. The conference is devoted exclusively to problems of submarine echo characteristics.



Dr. Hu

Dr. Ling-Wen Hu professor of engineering mechanics, is marking his 25th year on the faculty of the University.

Born in Nanking, China, Dr. Hu earned a B.S. degree in mechanical engineering at National Central University in China in 1943. He emigrated to the United States in 1947 and studied at the University of Washington, which awarded his M.S. in mechanical engineering. His Ph.D. was conferred by Penn State in 1952, and in 1966 he became a naturalized citizen.

Dr. Hu started his employment at Penn State as a research assistant in 1950, became a research associate the following year, an assistant professor in 1951 and an associate professor in 1955. He was named a full professor in 1962.

During World War II, he worked as a designer at the National Central Machine Works in China and from 1945 to 1947 taught at National Central University.

His research interests are centered around the mechanics of solids, experimental mechanics, triaxial stress and high pressure experiments, and plasticity. The author of numerous scientific papers in these areas, Dr. Hu has conducted research projects for Research Corporation; the Office of Ordnance Research, U.S. Army, the U.S. Air Force Office of Scientific Research and McDonnell Douglas Astronautics. In addition, he has served as a consultant for Bell Telephone, E.I. duPont and Sun Oil.

Dr. Hu is a member of the Society for Experimental Stress Analysis, the American Association of University Professors, the American Academy of Mechanics and Sigma Xi.

A number of faculty and staff members and graduate and undergraduate students of the East Asian Studies Program at the University participated in the fourth annual conference of the Mid-Atlantic Region of the Association for Asian Studies (MAR/AAS) at Towson State College, Baltimore, Md., last week. **Dr. Mark R. Peattie**, assistant professor of history, served as chairman of the program committee for the conference. **Dr. Stanley F. Paulson**, dean of the College of the Liberal Arts, participated in a panel discussion on "Education in China: Reports by Recent Visitors." **Dr. Parris H. Chang**, associate professor of political science, served as chairman of a panel on "Southeast Asia: The Next Phase." A panel on "Aspects of Traditional Chinese Technology" was chaired by **Dr. E-tu Zen Sun**, professor of Chinese history. A graduate student in Chinese history, **Robert M. Miles Jr.**, presented a paper at this session, "Chi'i-min yao-shu and the Delineation of Traditional Chinese Rice Technology."

University faculty and students have been active in the development of the Mid-Atlantic Region since its founding as a division of the Association for Asian Studies in 1972. Dr. Sun was a member of the MAR advisory council in 1973-75, and Dr. Chang was a member of the program committee in 1974-75. Penn State faculty members elected as MAR/AAS officers for 1975-76 are: **Dr. William J. Duiker**, associate professor of history, secretary; Dr. Sun, member-at-large of the executive committee; Dr. Peattie, member of the program committee; and Dr. Chang, member of the advisory council. The 5th annual MAR/AAS Conference will be held next October at University Park.

Benjamin W. Niebel, professor and head of the Department of Industrial and Management Systems Engineering, was an invited speaker at the annual conference and convention of The American Institute of Industrial Engineers held in Cherry Hill, N.J., last month. He spoke on "Designing for Cost Improvement" to representatives from government, industry and universities. The theme of the conference was "Industrial Engineering: Change Agent of the Seventies."

Dr. Robert W. Bernlohr has been appointed professor and head of the Department of Biochemistry and Biophysics, and **Dr. Leonard N. Zimmerman** has been named professor and head of the Department of Microbiology and Cell Biology in the College of Science. Dr. Bernlohr previously served as head of Penn State's Department of Microbiology. Dr. Zimmerman was acting head of the department in 1973-74.

The departments the two men head are new units in the College. They were formed this year when the four existing biological science departments — biochemistry, biology, biophysics, and microbiology — were reorganized into the Department of Biochemistry and Biophysics, the Department of Microbiology and Cell Biology and the Department of Biology. Dr. Joseph G. O'Mara, professor of biology, remains head of the biology department.

Dr. Bernlohr joined the College of Science faculty last year. He came to Penn State from the Medical School of the University of Minnesota where he was a professor in the departments of microbiology and biochemistry. He joined the Minnesota faculty in 1962 after serving as assistant professor of agricultural biochemistry at Ohio State University. The author of over 50 papers and a number of reviews and abstracts, Dr. Bernlohr is an author of the book, "Enzyme Replacement in Genetic Disease," published by the National Foundation-March of Dimes in 1973.

Dr. Zimmerman joined the Penn State faculty in 1961 as an assistant professor of bacteriology. He was promoted to professor in 1961. He served as visiting professor of bacteriology at the University of Bristol (England) while on leave for six months in 1970 and for six months in 1962 was on leave at Yale University. A specialist in bacterial physiology and genetics, he is author of over 30 scholarly publications and is co-author of a book, "Basic Bacteriology."

Dr. C. Dale Therrien, associate professor of biology, has been invited to present a seminar at the Department of Biology, McGill University, Montreal, Canada, Nov. 24. He will discuss his current research on the causes of apogamy, or the development of embryos from unfertilized eggs in slime molds.

Dr. Lawrence B. Hendry, assistant professor of chemistry, has been invited to present lectures this month at the Departments of Chemistry of Rensselaer Polytechnic Institute and Amherst College. He will speak on "Insect Chemical Messengers: The Complexity, Plasticity, and Continuum Theory."

Three new assistant professors have been appointed at the Beaver Campus. They are **Dr. Eugene Hunting** in computer science, and **Dr. Russell C. Brignano** and **Dr. Marvin R. Quinn** in English.

Dr. Hunting earned his bachelor's degree at Rutgers University and his doctorate in experimental physics at the Massachusetts Institute of Technology. For the past six years he has been a faculty member at the University of Pittsburgh. His professional interests are in the scientific applications of techniques for developing easy-to-modify computer programs.

Dr. Brignano has an M.A. and Ph.D. in English, both from the University of Wisconsin. His B.A. in international relations was granted by Dartmouth College. He taught at Carnegie-Mellon University for nine years. Dr. Brignano is the author of "Black Americans in Autobiography: An Annotated Bibliography of Autobiographies and Autobiographical Books Written Since the Civil War" and of "Richard Wright: An Introduction to the Man and his Works."

The University of Maryland granted Dr. Quinn his B.A. and M.A. in English, and his Ph.D. was conferred by Penn State. He taught English literature at Jundi Shepur University in Ahwaz, Iran, last year.

Dr. Walter S. Ceglowski, associate professor of microbiology, was invited to participate in an International Conference on Immunobiology of Cancer sponsored by the New York Academy of Science last week in New York City. Dr. Ceglowski presented a paper, "Effect of Leukemia Virus Infections on Antibody Formation and Cellular Immunity," in the session on the Influence of the Tumor Process of Immune Mechanisms.

Obituary

Carl R. Barnes, who retired from the University in 1968 as controller emeritus, died Nov. 4 at age 70. Mr. Barnes studied accounting at Northern New York Business College and New York University and became a Certified Public Accountant in the State of New York in 1936. He worked for a New York City firm before joining the University in 1938 as an auditor. In 1946 he was named to the position of executive accountant and became controller in 1951. During the year before his retirement, he served as assistant to the President for financial affairs.

Ag sets up two new departments

Two new departments in the College of Agriculture will be established as of Nov. 15.

The Department of Food Science will bring together faculty members with food science interests and programs. Such persons are now in the four departments dealing with dairy, animal, poultry, and horticultural sciences.

The second new department will merge production and management personnel from existing dairy science and animal science departments into a combined Department of Dairy and Animal Science. Offices, laboratories and other facilities within the present departments will be utilized.

"Experience at other universities shows that achievements in food science become best known, and generally reach their highest levels, within a specialized department," says Dr. James M. Beettle, dean of the College of Agriculture.

"Greater awareness of our work is one of the major goals in this reorganization — to reach students, farmers, and business and industry people, and plan to strengthen our already high caliber programs in dairy and animal science with only a minimal increase in costs of administration.

"We believe the reorganized department will improve our efforts to gain financial support for teaching, research and extension programs. We want to reach, as effectively as possible, all the publics we serve," Dr. Beattie adds.

Head of the new Department of Dairy and Animal Science will be Dr. B. R. Baumgardt, present head of the Department of Animal Science. Dr. Baumgardt indicated the merger of animal and dairy science will encourage the continued improvement of what he termed "the excellent livestock and dairy aspects within the College's animal programs."

A search is underway to select a qualified individual to become chairman of the Department of Food Science.

A specialist in nutrition research, Dr. Baumgardt came to Penn State in 1951 from the dairy science faculty at the University of Wisconsin. He is currently secretary within the production section of the American Dairy Science Association and a member of the editorial board and the management committee of the "Journal of Dairy Science."

Dr. Baumgardt is active on the committee on animal nutrition for the National Academy of Sciences, within the National Research Council. He was president of the Northeast Division of the American Dairy Science Association in 1971-72. In 1968 he won the nutrition research award of the American Feed Manufacturers' Association. This year he was named a Fellow of the American Association for the Advancement of Science.

He was graduated from Purdue University in 1955 with an academic citation for "highest distinction." His M.S. was also earned at Purdue and his Ph.D. at Rutgers

University Park Calendar

November 13-29

Items to be included in this calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, Nov. 13

Commons Videotape, 12 noon, Kern lobby.

Dr. Eugenio Battisti, art history, on "Boccaccio and the Visual Arts," 8 p.m., HUB assembly room.

Friday, Nov. 14

Sports: Soccer, vs. Pittsburgh, 7 p.m., Jeffrey Field.

GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, Nov. 15

Sports: Women's Cross Country USTFF Meet.

Sunday, Nov. 16

Sports: Men's Cross Country Eastern USTFF Championships.

PSDC Hiking Club, hunt for Old Wheeler, brewer and other trails on Tussey Ridge, 9 a.m.

Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Elder Harold McKenzie, Chairman of Black Christian Fellowship, Board of Elders.

Wednesday-Friday, Nov. 19-21, Monday-Tuesday, Nov. 24-25

Computer Programming Workshops on "Assembler," "Fortran" and "PL/1." Registrations accepted now, Room 229 Computer Bldg.

Sunday, Nov. 23

Sports: Men's Eastern USTFF High School Championships.

Monday, Nov. 24

Sports: Men's Cross Country NCAA Championships.

Seminars

Thursday, Nov. 13

Agronomy, 8:15 a.m., Room 301AB Ag Administration. James Eakin, Ag. Extension, on "Bahama Project — Update."

Chemistry, 12:45 p.m., Room 333 Whitmore Herbert D. Kaesz, UCLA, on "Aromatic Metalation Reactions with Methylmanganese and Methylrhenium Carbonyl Complexes."

Mathematics, 4 p.m., Room 102 McAllister. Gerard Sacks, Harvard University, on "Algebraically Closed Division Rings."

Computation Center, 7:30 p.m., Room 158 Willard. "JCL(6)."

Friday, Nov. 14

Statistics, 1 p.m., Room 217 Willerd. Dr. Ramon Litiel, University of Florida, on "Estimation Based on Kolmogorov-Smirnov Statistics."

Friday, Nov. 21

Genetics Symposium, 1-5:30 p.m., Room 112 Kern. Dr. E. G. Buss, poultry science, chairman. Dr. Richard N. Hitt, pharmacology, on "Chloroform Toxicity: Genes and Hormones," 1 p.m. Dr. David R. MacKenzie, plant pathology, on "The Green Revolution — Who Fired the First Shot?" 2 p.m. Dr. Stephen Bloom, poultry science, Cornell University, on "Cytochemical Probes for DNA Replication and Repetitive Sequences in Eukaroyte Chromosomes," 3:30 p.m. Dr. Charles W. Hill, biological chemistry, Hershey Medical Center, will lead and introduce a panel discussion on "Artifically Produced Recombinant DNAs: Biohazards, Uses and Ethics," 4:30 p.m.

Tuesday, Nov. 25

ARL, 10:45 a.m., Eric A. Walker Conference Room, Applied Science Bldg. Charles R. Zentner on "Frequency Domain Adaptive Decoupling in Multiple Output Array Processors."

University Schedule

Friday, Nov. 14

Last day for signing Fall Term Emergency Loans, Room 106 Shields.

Saturday, Nov. 15

Classes end.

Monday-Wednesday, Nov. 17-19

Final examinations.

Saturday, Nov. 29

Commencement, 10:30 a.m., Rec Hall.

Meetings

Sunday, Nov. 16

Interlandia Folk Dance Club, 7:30 p.m., south gym, Whille.

Monday, Nov. 17

Color Slide Club, 7:30 p.m., Room 112 Kern. Thomas Smythe on "Ice and Snow." Competition special category, "Fall — Signs of the Season."

Tuesday, Nov. 18

College of Agriculture faculty, 4 p.m., Room 301 A and B Ag. Administration.

GSA Council, 7 p.m., Room 101 Kern.

Thursday, Nov. 20

Central Pa. Society, AIA, 8 p.m., Room 112 Kern. Lecture by E. J. W. Barber, Occidental College, on "Archaeological Decipherment."

Films

Friday-Sunday, Nov. 14-16

"Animal Crackers," 7:30 and 10 p.m., Room 102 Forum.

"A Man for All Seasons," 7:30 and 10 p.m., Findlay Rec Room.

"A Night at the Opera," 7:30 and 10 p.m., Redifer Room D.

"King of Hearts," 7:30 and 10 p.m., Waring Lounge.

Exhibits

Museum of Art: 200 Years of Royal Copenhagen Porcelain, Architectural and Ornamental Drawings: Juvarra, Vanvitelli, the Bibiena Family, and Other Italian Draughtsmen, Drawings from the Permanent Collection.

HUB Gallery: U.N. Exhibit. Multi-media exhibit on women; both exhibits through Nov. 14.

Kern Gallery: Wendy Snetsinger, photography, through Nov 15. Waskewich Gallery Print Sale and Exhibition, through Nov. 14. Fred Peterson, watercolors, opening Nov. 15. Tom Guschel, photographs, opening Nov. 16. Blown Glass Exhibition by art students.

Zolter Gallery: Two man show: Zoretich and Rubello, through Nov. 14. Steven Barbash, opening Nov. 16.

Chambers Gallery: Art Department student group show. Gold and Silver by students of SUNY at New Paltz; both exhibits through Nov 14.

Cultural Center, Walnut Bldg.: An exhibit of mixed media, the work of the Pittsburgh Chapter of the National Conference of Artists.

Pattee Library: Exhibit of Crafts, through Nov. 24. Gem Cutting Exhibit by Dr. Dean Smith, opening Nov 25, main lobby. Drawings by Denise Faleski, lending services lobby. Batik paintings by Sharon Sell, East Corridor Lobby.

Ritenour Health Center: Undergraduate Art Education Show, sponsored by the Penn State student chapter of the National Art Education Association, through Nov. 15.

News in brief

(Continued from page one)

Sociolinguistic conference funded

A grant for a conference on sociolinguistic problems in selected East European countries has just been made to Penn State by the Joint Committee on Eastern Europe of the American Council of Learned Societies and the Social Science Research Council. The purpose of the conference, which will be held in August, 1976, is to identify the fundamental sociolinguistic problems of Czechoslovakia, Hungary, Rumania and Yugoslavia. All of these countries have large minority populations which maintain their native languages to varying degrees. The director of the conference is William R. Schmaistieg, head of the Department of Slavic Languages, and guest speakers include Dr. Thomas F. Magner, associate dean for research of the College of the Liberal Arts, and Dr. Trond Gilberg, associate professor of political science. Among the participants from other universities are Prof. Robert Auty of Brasenose College, Oxford; Prof. William Bright of UCLA; Prof. Damir Kalogjera, head of the Department of English at the University of Zagreb, Yugoslavia; and Prof. Kenneth Naylor of Ohio State.

Archaeologist to speak

Dr. Elizabeth J. W. Barber, professor of linguistics and anthropology at Occidental College, Los Angeles, will address the Central Pennsylvania chapter of the Archaeological Institute of America at 8 p.m. on Thursday, Nov. 20, in Room 112 Kern Graduate Bldg. The subject of her public lecture is "Archaeological Decipherment." Dr. Barber's background combines the disciplines of archaeology and computerized linguistic analysis. She has excavated at both prehistoric and Roman sites in Britain and has recently published a handbook for archaeologists working with undeciphered texts, "Archeological Decipherment." In her lecture, which will be illustrated with slides, Dr. Barber will survey the famous decipherments of the Egyptian hieroglyphs, Hittite, and Mycenaean Linear B and analyze the reasons for these successes. She will also include in her comments observations about the still undeciphered Etruscan, Mayan and Linear A texts.

"Spirit of Evan Pugh" staged

Facutty and staff are invited to attend a Bicentennial presentation, "The Spirit of Evan Pugh," scheduled for Thursday, Nov. 20 at 1.30 p.m. in the J. O. Keller Building Auditorium. The presentation will be made by Dr. Jerome K. Pasto, associate dean for resident education in the College of Agriculture, as part of the Cooperative Extension Service Staff Workshop. Dr. Pasto's dramatic 30-minute presentation has been recognized as one of the outstanding special Bicentennial programs of the University. Dressed in clothes appropriate to the 1850s, the College of Agriculture dean presents parts of a speech made by Dr. Pugh before the Cumberland County Agricultural Society. Dr. Pugh, a renowned chemist and educator, was Penn State's first president.

Charity Ball Dec. 4

The 28th Annual Charity Ball, sponsored by the College Area Auxiliary to the Centre Community Hospital, will be held Thursday, Dec. 4, from 9 p.m. to 1 a.m. at the Elks Country Club, near Boalsburg. Two local groups, "The Dance Band" and "Stevie and the Six Packs," will provide the music. The goal of the 1975 Charity Ball is to purchase two Fetal Heart Monitoring Systems. Unlike the stethoscope, the fetal monitor allows the doctor to check the baby's heartbeat continuously throughout labor, even during contractions when it is extremely difficult to hear. This system records the baby's heartbeat on a strip of graph paper and simultaneously records the timing and strength of contractions. From these two records, the doctor receives accurate information on how the baby is reacting to the stresses of labor. Three categories of tickets are available: Benefactor, $50 or more; Sponsor, $25 or more; and Patron, $15. For information about tickets, call 238-1566.

Consultation available

The Individual and Family Consultation Center at the University is offering several relationship enhancement programs for married couples, dating couples and families with adolescent children. More than 100 couples have participated in the program during the several years it has been successful in helping couples and families further enhance already successful relationships, as well as helping others deal with severe difficulties.

Couples are trained in small groups — no more than three couples in each group — to use certain communication and problem-solving skills in their relationship. Groups meet one evening each week at a time convenient to the participants. The Consultation Center, located at the eastern

(Continued on page four)



Former Soviet ballerina Galina Panov

WPSX highlights for the week

Rosemary Harris stars as Aurore Dupin who was better known as French novelist George Sand, on "Notorious Woman," a seven-part **Masterpiece Theatre** biography beginning Sunday, Nov. 16, at 9 p.m. The series focuses on Sand's personal end public life and the controversy that surrounded her books and her love affairs, especially her relationship with Frederic Chopin, played by George Chakiris. "Masterpiece Theatre" may also be seen Fridays at 9 p.m., with captions for the hearing-impaired.

The Russian ballet team of Valery and Galine Panov make their American television debut on **In Performance** at **Wolf Trap** Monday, Nov. 17, at 8 p.m. The former stars of the Kirov Ballet perform five selections, accompanied by the Filene Center Orchestra. Included are the pas de deux from "Don Quixote," the Adagio from "The Nutcracker," scene two of "Petrouchka," and the pas de deux from "The Lady and the Hooligan" and from "Harlequinade." The program may also be seen Tuesday, Nov. 18, at 9:30 p.m.

Saul Bellow, one of America's foremost novelists, makes a rare television appearance on **Book Beat** Wednesday, Nov. 19, at 6:30 p.m. Talking with host Robert Cromie, Bellow discusses the role of the writer in general and his latest novel, "Humboldt's Gift," in particular. "Book Beat" may also be seen Sunday, Nov. 23, at 3 p.m.

Lord Kenneth Clark begins a two-part examination of the life and work of the English romantic painter, William Turner, on **The Romantic Rebellion** Thursday, Nov. 20, at 8 p.m. Born in 1775, Turner was best known during his life for his depictions of nature at its most violent. The first half-hour program looks at the works designed for public exhibition for which Turner was recognized during his life. The following week, Lord Clark explores paintings by Turner that were never intended for public viewing, but for which he is remembered today.

Janet Suzman and Ian McKellen star in Ibsen's "Hedda Gabler" on **Classic Theatre: The Humanities in Drama** Thurs-

(Continued on page four)

Signed consent forms due

Signed informed consent forms obtained from human subjects involved in research, instruction, and continuing education programs are to be sent to 207 Old Main for filing. Formerly, these forms were held indefinitely by the project director. The combination of the former practice and faculty and graduate student turnover could lead to loss of consent forms and subsequent problems in the event of legal action, according to Dr. Richard G. Cunningham, vice president for research and graduate studies.

The signed forms should be accompanied by the investigators' names (both faculty and students), title of the project and the starting date.

Dr. Cunningham also notes that information dealing with ethical principles and issues relating to use of human subjects is available in Pattee. Four documents on which the University's human subjects policy is based have been placed on permanent reserve in the Life Sciences Library, East Pattee 205. Titles are "Ethical Principles in the Conduct of Research with Human Participants," "Ethical Issues in Research with Human Subjects," "Privacy and Behavioral Research," and the "Declaration of Helsinki." University policy and procedure for protection of human subjects apply to all situations involving human subjects whether sponsored by outside agencies or by the University; they apply to instructional and continuing education projects as well as research, and to student projects as well as faculty projects, if human subjects are involved.

Detailed information on policy relating to human subjects can be obtained from department offices, deans for research and James W. Lundy, 312 Willard. Mr. Lundy serves as secretary of two committees which review proposals for projects involving human subjects.

Programming workshops set

Three programming workshops will be held following fall term for five days, Wednesday through Friday, Nov. 19 to 21, and Monday and Tuesday, Nov. 24 and 25. The workshops are open to all faculty, staff and graduate students. They include:

ASSEMBLER, Room 304 Boucke Bldg. Computer concepts and techniques of programming in IBM/370 ASSEMBLER Language will be studied. Previous computer experience in a higher level Language such as FORTRAN will be assumed.

FORTRAN, Room 111 Boucke Bldg. Basic computer concepts and techniques of programming in FORTRAN IV Language will be studied. This workshop is oriented toward those who have had no previous computer experience.

PL/1, Room 214 Boucke Bldg. This workshop will study basic computer concepts and techniques of programming in PL/1 Language. No previous computer experience is necessary.

Lectures will be given throughout each day, beginning at 9 a.m. and resuming at 1:30 p.m. after a lunch break. Sample programs will be studied, and practice problems will be assigned throughout the five-day period. In order to gain the maximum benefit, participants should plan to devote the entire five days to a workshop.

Instructors, all of the Computation Center staff, will be C.M. Smith Jr. (ASSEMBLER), D. L. Bernitt (FORTRAN) and B. E. Squires (PL/1).

Registrations will be accepted by Linda Yarnell, Room 229 Computer Bldg. A charge of $3 (cash or interdepartmental transfer) for course materials will be made for each registrant. Computer charges are born by the Computation Center, and participants may use the computer for practice purposes free of charge throughout the winter term.

Increased support recommended

Trustees of the University on Friday adopted, in principle, a recommendation of the Penn State Fund Council that the University intensify its efforts over the next five-year period to increase substantially the current level of support from alumni, friends and other groups with special ties to Penn State.

The purpose of the intensified program, President Oswald indicated, is to enable the University to enhance and enrich special projects and programs for which state support is not normally available.

The Council, which made the recommendation at its second meeting on Oct. 24, was established by the Trustees July 19, 1974, to advise the President and the Board. The Council is composed of prominent Penn State alumni and friends.

In the Council recommendation, Charles W. Shaeffer, of Baltimore, Md., chairman of the Council, said the Council suggests that the five-year effort to increase the current level of support from alumni, friends, corporations and foundations with special ties to Penn State should be fully integrated with the current and on-going efforts of the Office of Gifts and Endowments. The aim, Mr. Shaeffer reported, is to achieve a permanent broadening of the base of support available for special programs that cannot be supported from state funds.

WPSX highlights

(Continued from page three)

day, Nov. 20, at 9 p.m. Written in 1890, the play is considered one of the first great modern plays to deal realistically with the problems of women. The play will be preceded on Tuesday, Nov. 18, at 7:30 p.m. and Thursday at 8:30 p.m. with a **Classic Theatre Preview** featuring Janet Suzman and Eva Le Gallienne, exploring why the role of Hedda has been one of the most sought-after roles in theatre.

Larson to retire

(Continued from page one)

are considered to be best qualified.

Dr. Larson told the Board that his decision was a difficult one to make but that he and Mrs Larson "are anxious to pursue other professional and personal interests on our own schedule."

News in brief

(Continued from page three)

end of the campus on Elm Street, is part of the training program of the Division of Individual and Family Studies of the College of Human Development. All services are offered free of charge. For further information, call 865-1751.

Thanksgiving Candlelight Dinner

The annual Thanksgiving Candlelight Dinner at the HUB Terrace Room will be held from 5 to 7 p.m. Wednesday, Nov. 19. Roast turkey with herb dressing heads the menu, which also includes prime ribs of beef, mixed grill, ham steak and creamed finnan haddie. There will be pumpkin and mince pies, along with a variety of other desserts and salads, and a hospitality table.

Eastern Orthodox fellowship

Prof. James F. Delansky, faculty advisor to the Eastern Orthodox Christian Fellowship, would like faculty or staff of the Eastern Orthodox faith who are interested in learning more about the fellowship to call him at either 865-9011 or 238-8164.

President final authority

The existing policy for determination of a student's Pennsylvania resident status will continue in effect, with the Office of the President of the University now designated as the final appeal authority.

This decision was approved by the Board of Trustees last week following action earlier this year under which the Auditor General of the Commonwealth revoked and withdrew the guidelines, which designated the Auditor General's Office as the final appeal authority.

The action of the Auditor General, it is explained, was prompted by the fact that the Appropriations Acts for Penn State, University of Pittsburgh, and Temple University did not empower or require the department to determine whether students at the universities are bona fide residents of Pennsylvania for tuition purposes.

Continuation of the guidelines was approved in keeping with the desire of the Board of Trustees to charge Pennsylvania tuition only to those students who are bona fide residents of Pennsylvania.

Barbash to exhibit

Paintings and prints by Steven Barbash, professor and head of the art department at State University College, Cortland, N.Y., will be displayed from Nov. 16 through Dec. 6 in Zolfer Gallery, with a reception for the artist at 7:30 p.m. Friday, Dec. 6, in the gallery.

Barbash, a graduate of Bard College and Yale University School of Art and Architecture, has studied with Yasuo Kuniyoshi, Josef Albers, Bernard Chaet, Rico Lebrum and other distinguished artists.

Formerly a member of the art faculty and director of the humanities program at Juniata College, Barbash has had one-man shows of the William Penn Museum, Harrisburg; Barone Gallery, New York; Martin McCleaf Gallery, Phila.; Wells College and LeMoyne College. He has also contributed frequently to many national print, drawing, painting and graphics invitational exhibitions.

Projects funded

(Continued from page one)

five holdings of newspapers located in the micro-forms collection of Pattee Library, and $12,500 for an interdisciplinary graduate program in the humanities, to be matched by funds from the National Endowment for the Humanities.

Energy conservation tips given

The Executive Energy Conservation Committee of the University has issued a reminder to members of the Penn State community suggesting actions individuals can take to help the energy conservation cause

All Areas

1. Insure that radiators, heating units and ventilation registers are not obstructed by shelving, plants, furniture or other objects.
2. Thermostats in occupied spaces should be set no higher than 68 degrees unless an exception has been approved by the conservation committee. Storage or other unoccupied spaces should be set no higher than 55 degrees. Portable electric heaters are not permitted.
3. Windows should be kept closed at all times. Shades and blinds should be closed overnight and weekends, except on ground floors.
4. The use of domestic hot water should be curtailed as much as possible.
5. Insure that copy machines are completely turned off overnight and weekends; the use of such machines should be reduced as much as possible.
6. All room lighting, the anticipated need for which does not exist for 15 minutes or more, should be turned off; natural light should be used when possible in lieu of artificial light.

Laboratories

1. Storage in refrigerators, deep freezers and growth chambers should be consolidated where possible; explosion-proof units may contain ordinary materials but not conversely.
2. Insure that autoclaves and sterilizers always contain a full load when operating.
3. Insure that fume hoods and ovens are operating only when required.
4. Curtail the use of process steam and compressed air, whether locally generated or from the campus systems, to the maximum possible extent.
5. Curtail the use of distilled water where possible.

Athletic Areas and Gyms

1. Insure that all lighting is off immediately after use, even where automatic timers are installed.

Repairs

1. Insure that the individual responsible for the area is made aware of malfunctioning equipment, fixtures, controls, switches, timers, thermostats, etc.; that individual should promptly call Maintenance and Operations at 865-4731.

Faculty, staff and students are reminded that suggestions on ways to conserve energy at the University can be made by using the Energy Hotline, 865-1117.

Environmental Policy Center gets faculty, agencies together

Answering today's questions about energy and the environment requires bringing together people with expertise in various disciplines and matching them with agencies able to finance and apply such research.

Penn State's Center for the Study of Environmental Policy performs these functions. In some cases, the center initiates research at the request of an agency and in others, it finds support for faculty research interests.

The center has arranged for contract research with the Pennsylvania Department of Environmental Resources, Governor's Energy Council, Environmental Protection Agency, Federal Energy Administration, Energy Research and Development Administration, and other state and federal agencies.

A study of the "energy park" concept undertaken for the Governor's Energy Council last summer demonstrates the interdisciplinary nature of most of the center's work.

If involved faculty members from the departments of geography, economics, nuclear engineering, mechanical engineering, sociology and the Institute for Research on Land and Water Resources.

Dr. Terry A. Ferrar, center director, characterized the study as, "one of the most interdisciplinary research projects I've witnessed on this campus."

An energy park is a large concentration of electrical generating capacity at one location. The Commonwealth of Pennsylvania is using the study to help determine the desirability of establishing several such facilities.

The center also serves as a collecting point for research proposals in the fields of energy and the environment.

"Any faculty member with a research proposal can come to us and sit down and discuss it," says Dr. Ferrar, "and we'll try to match his ideas with the appropriate people in Washington or Harrisburg."

In a recent case the center brought together experts in management science with a problem in air pollution control.

Dr. John J. Dinkel and Dr. George B. Kleindorfer, associate professors in management science, have done extensive research on management of personnel whose duties require them to travel. Meanwhile, the Pennsylvania Department of Environmental Resources was looking for an efficient system for assigning air pollution control inspectors.

The Environmental Policy Center brought them together, and the result is an ongoing research project for development and application of a computerized scheduling and routing package to assist State officials in utilizing their manpower and equipment for pollution control and environmental surveillance.

Arranging for such research furthers two of the center's main objectives, promotion of educational opportunities for those concerned with resource policy and fallering existing knowledge to assist in the resolution of specific problems.

The intercollege unit was established in 1972 by an institutional grant from the Rockefeller Foundation for the purpose of analyzing and suggesting policy alternatives for the resolution of environmental dilemmas confronting our society.

Research is conducted on broad issues of resource policy and public sector management. Projects are supported through University funds, private grants and grants from federal and state agencies.

Dr. Ferrar, an associate professor of economics, has been director of the center since May, 1974. He joined the faculty in 1971.

A 1968 graduate of Penn State, where he earned the bachelor of science degree in industrial engineering and master of arts in economics, Dr. Ferrar received his master of science and doctor of philosophy degrees, both in economics, from Purdue University in 1970 and 1971.

The author of numerous articles in his field, Dr. Ferrar is also a consultant to the Governor's Energy Council.

Trustees approve plans for campus improvements

Buildings to be air conditioned

Sketch plans for installing air conditioners in 11 central campus buildings of the University where it is needed in connection with heavy summer instruction loads were approved by the Board of Trustees.

The project, for which the General State Authority has allocated $3,000,000 will provide air conditioning for Pattee Library and sections, primarily classrooms and student laboratory areas, of Willard Bldg., Chambers Bldg., Rackley Bldg., Hammond Bldg., Sackett Bldg., Henderson Human Development Bldg., Sparks Bldg., Boucke Bldg., Recreation Bldg. and Chandlee Laboratory.

The Trustees also approved sketch-preliminary plans for air conditioning for all guest rooms at the Nittany Lion Inn, which is the second phase of a general improvement program at the Inn. Earnings of the Inn will finance the improvements.

Also approved by the Trustees on Friday was a utilities expansion project for which the General State Authority has provided $500,000 for construction costs. An underground electrical line will be extended from existing lines at the Meats Laboratory to the East Campus Power Plant, providing a second circuit to the plant. The project also provides for additional steam lines from the East Campus plant to existing distribution lines serving the main campus to add to the capabilities of the new power plant.

Beaver Campus building plans okayed

Floor plans for the classroom-laboratory building to be constructed at the Beaver Campus have been given Trustee approval. The General State Authority last April authorized a $946,000 allocation for construction of the building, expected to be completed by fall, 1977.

Dr. Joseph P. Giusti, director of the Campus, says the brick building will provide more than 16,000 square feet of floor space on two levels. On the first floor, there will be a life sciences area including a biology laboratory, microbiology laboratory, preparation rooms and an environmental room. Multi-purpose classrooms will be located on the second level, providing facilities for workshops, seminars and lectures. A small lecture hall and faculty offices are also planned.

One of the features of the building will be a seismic pier for locating a seismograph. The Beaver Campus is one of four locations across the state working with the seismograph laboratory at University Park in recording earth tremors.

37 acres deeded to Delaware Campus

A tract of approximately 37 acres of land adjoining the Delaware County Campus has been deeded to the University by the Delaware County Commissioners.

Trustees of the University last Friday adopted a resolution accepting the land and also approved sketch plans for a Library-Learning Center at the Campus, which will be located on a part of the newly accepted tract.

In 1967, the County Commissioners of Delaware County deeded 50 acres of land to the University to make possible the development of the Campus, located near Media, with an understanding that additional land would be deeded at a later date.

The Library-Learning Center, for which the General State Authority last April approved $2,574,000, will have two levels and provide a total of 45,000 square feet of floor space. In addition to the library, there will be audio-visual and other learning center facilities. The plans also include classrooms, seminars, faculty offices, and typing rooms for the use of students.

The building is the first General State Authority project for the Campus and will be the second major building there.

"It will provide space for both the resident education and the continuing education programs," explains John D. Vairo, Campus director, "and also will make possible expansion of the services of the Campus to the community."

Enrollment at the Campus has reached 1,220 students registered for daytime classes, Mr. Vairo explained, a sharp increase over the 550 students enrolled when the first building was completed in 1971 and the Campus was moved to the present location.

Planner sought for York center

The University's Trustees have authorized employment of an architect to design a proposed student center at the York Campus. Expenditure of not more than $53,000 for design costs also was authorized.

A fund-raising campaign for construction of the building, with a goal of $750,000, is in progress under the direction of the York Campus Advisory Board.

Edward M. Elias, York Campus director, says the student center is not planned to increase enrollment but is expected to relieve a serious space need for commuting students, both day and evening. At present, the Campus utilizes two areas in the main classroom building for "student center" activities.

The proposed building will contain approximately 15,000 square feet and will share a common lobby area with the present multi-purpose building. It will contain activity and food service areas, a multi-purpose and community room, student organization offices and offices for the student affairs staff.

Plans call for the fund-raising campaign to be completed in February, with construction to begin in November, 1976, and the building to be completed in November, 1977.

Wooded area at Berks planned

A development plan for the wooded area at the northern end of the Berks Campus has been approved by the Board of Trustees, which last July authorized the landscape architecture firm of McCloud, Scatchard, Derck and Edson, of Lititz, to prepare the plan.

Dr. Harold W. Perkins, director of the Campus, explains the purpose of the project as an effort to retain the area in its natural state while providing limited development for outdoor educational and recreational activities for both the Campus community and Berks County area residents.

The plan, which provides for both instructional and recreational uses, includes ecological study areas and sanctuaries, nature trails, outdoor classroom sites, information booths and rest areas. It is designed to compliment the new Berks Leisure Area and Gringo Mill Park developed by the county commissioners.

Funds for development of the plan were supplied by a special allocation from the Penn State Fund. An additional gift of $5,000 from a local donor to the Berks Campus will provide for the initial implementation.

Funding opportunities

(20S-1) The Office of Education has issued proposed priorities for its Foreign Language and Area Studies Research Program. (Ref. 40FR-56300-01, 11/25/75) (CFDA 13.436)

(20S-2) The U.S. Department of Housing and Urban Development (OHUD) has issued regulations for **Community Development Block Grants**. The regulations are included in Subpart E, Applications and Criteria for Discretionary Grants. (Ref 40FR50663-70, 10/30/75)

(20S-4) Scholars are invited by the Ford Foundation to submit applications in an **International Competition for Research on International Security and Arms Control.** The application procedure is in two stages. Brief outlines are due Jan. 1, with an invitation, if any, for formal application by April 1. Five thematic areas have been chosen: basic theory of arms control, implications of new technologies, alternative security proposals, domestic influences on arms control, and new configurations of international power. (Ref. 7pp. Announcement)

Fellowships for 1976-77

(For additional information inquire at 317 Kern, 865-2401)

(20S-5) Ford Foundation — fellowships for Mexican Americans, native Americans, and Puerto Ricans (FO75-27)

(20S-6) National Science Foundation — 100 postdoctoral energy-related fellowships, 2/22/76 deadline (FO75-27)

(20A-7) National Research Council of Canada — postdoctoral fellowships (FO75-37)

(20A-8) National Institutes of Health — predoctoral and postdoctoral traineeships, 1/2/76 deadline. (FO75-27)



Sculptor Heinz Warneke, who was named an honorary alumnus this month, revisits the Nittany Lion, which he completed in 1942.

Shakespearean films available

Beginning winter term, a series of films made from Shakespeare's plays will be available for screening at any of the University's Campuses.

The project, which was conceived by Dr. Ralph W. Condee, professor of English literature and humanities, was made possible by a course improvement grant funded through the office of the Vice President for Undergraduate Studies and by a grant from the Center for Continuing Liberal Education. Admission to the films will be free.

Already leased are Paul Scofield's "King Lear" (black-and-white, 1970); Orson Welles' "Macbeth" (black-and-white, 1948); Maurice Evans' "Macbeth" (color, 1960); "A Midsummer Night's Dream" starring Diana Rigg and directed by Peter Half (color, 1968); and the "Romeo and Juliet" of the Royal Academy of Dramatic Arts (black-and-white, 1965).

Contracting arrangements are being completed for two films of Laurence Olivier's — "Hamlet" (black and white, 1948) and "Henry V" (color, 1944). Arrangements are also being completed for the Nicol Williamson version of "Hamlet" (color, 1969).

The films will be leased on a five-year basis, Dr. Condee explains. Because of their length, it will be necessary to show them in the evening rather than during regular class periods. They will be used to supplement classroom instruction in the University's basic Shakespeare course, English 149, and a number of Campuses may also choose to use them in their adult education programs. Bookings will be available through Audio-Visual Services.

Members of the committee overseeing the project, in addition to Dr. Condee, include: L. P. Greenhill, assistant vice president for academic services; Helen Manfull, assistant professor of theatre arts; Ronald G. Hoover, assistant professor of English (Altoona); and Michael Kiernan, assistant professor of English.

Program aids disadvantaged

Trustees of the University and President Oswald and his staff joined with 40 Renaissance scholars at a luncheon last Friday, marking the fifth year of the establishment of the Renaissance project, a program "to provide instruction for the classes of Americans . . . who do not have the means for higher education."

The Penn State program to help educationally and economically deprived students may have been the first of its kind in the country.

Since that time, the state and federal governments, through the Educational Opportunity Program, have been recruiting and aiding disadvantaged youth, Dr. Helen D. Wise of State College, one of five trustees who helped to start the Renaissance program, noted.

Penn State offers many special services to these young people who need both economic and educational assistance, including the Developmental Year program, she explained.

She also pointed out that Renaissance now identifies, recruits, and assists young people who are very poor economically but who were not overwhelmed by being poor and studied hard and successfully all through high school.

Dr. Wise said that there currently are 80 Renaissance scholars on the various campuses of the University and that they come from 60 Pennsylvania communities. She cited a need for $17,000 for the $54,000 budget this year.

Also speaking briefly at the luncheon were Dr. Oswald, and Michael Baker Jr., of Beaver, president of the Board of Trustees.

Mr. Baker, along with Dr. Wise, and three other members of the Board, Jesse Arnelle, of San Francisco, Calif.; Frederick J. Close, II, of North Madison, O.; and Ralph Hetzel, of Kent, O., founder of a program which now is directed by Arthur M. Wellington, professor of counselor education.

Staff vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1287 (Network Line 475-1287). Applications for these staff vacancies will be accepted until 5 p.m. Thursday, Nov. 20, 1975. **Do not contact the area that has the vacancy.**

Applications for staff vacancies are considered without regard to race, color, creed, sex, or national origin.

ACCOUNTANT, OFFICE OF DEPUTY CONTROLLER — Hershey

Responsible to Deputy Controller for the implementation and performance of accounting functions in the fields of Property Accounting and Inventory, Accounts Payable, Construction and Plant Funds Accounting, and to assist Deputy Controller and Clerical Staff with special accounting projects. Bachelor's degree or equivalent in accounting or business administration, plus two to three years of experience.

PROGRAM ASSISTANT, UPWARD BOUND PROGRAM, COLLEGE OF HUMAN DEVELOPMENT— University Park

Interviews prospective students and public school officials and prepare records and forms for analysis of prospective candidates for program, work with director of training programs for prospective students, some travel. Master's degree or equivalent in area of human services, experience in working on programs with the disadvantaged desirable. Funded until June 30, 1976

PRODUCTION ASSISTANT, DEPT. OF PUBLICATIONS — University Park

Responsible for estimating, scheduling and coordinating production of printed material. Includes some proof reading and mechanical preparation. Bachelor's degree or equivalent and two years of related experience

Long-range study confirms decrease in high school graduates

The projections and tables below were developed by Robert D. Newton of the University's Office of Budget and Planning. They were presented to the University Senate at its meeting this week.

Projections of high school graduates

In a report issued in 1973, assessments were made concerning the prospective sizes of graduating classes from secondary schools through 1984 both for the nation as a whole and for the Commonwealth of Pennsylvania specifically. In addition, projections were presented for each year of the number of high school graduates from the secondary schools within each county of the state as well as within the primary and secondary commuting regions associated with each of the branch campuses of the University to which first-time freshmen are admitted.

The county and regional projections were generated by means of a model described in the report. Because the model employs a data base maintained and made available by the Division of Educational Statistics of the Pennsylvania Department of Education, these geographically disaggregated projections are fully consistent with those issued annually on a state-wide basis by the aforementioned jurisdictional agency.

The projections contained in the above specified report have now been updated and extended through 1985, in general the trends are very much the same as those reported previously with prospects for incipient declines in the sizes of annual graduating classes through the forecast period.

Nationwide and statewide projections

The prospects for initiation of a long-term declining trend in the sizes of annual graduating classes for secondary school continues. Nationwide the number of high school graduates will begin to decline after 1977. Because of the net outward migration trends apparent for Pennsylvania, the peak in graduating classes is projected to occur two years earlier and the declining trend will be somewhat sharper than the analogous phenomenon throughout the nation as a whole.

Shown in Table 1 are projections of the number of high school graduates through 1985 for both the United States and Pennsylvania. Regardless of the specificity of time or the rate of decline, the overall trend will be the single most important environmental characteristic for the academic community during the next decade, inasmuch as graduates from secondary schools comprise the principal source of demand for higher education.

County projections

Because of variations among geographical subdivisions in birth rates, migration, and anomalies in the grade-by-grade enrollment, the patterns of change for individual counties within Pennsylvania may be expected to vary from those applicable on a statewide basis. For this reason, projections have been developed of the number of secondary school graduates from both public and private institutions for each year from 1974 through 1985 for each of the 67 counties in the Commonwealth.

Although like the statewide projections, 1975 is the year in which the greatest frequency of peak graduates occurs among the counties, some exhibit a maximum as early as 1973 and others as late as 1982.

Commuting region projections

Eighteen of Penn State's campuses were developed to provide a means for students throughout Pennsylvania to pursue the first two years of study in higher education at a locality within commuting distance of their homes. Approximately three out of every four students enrolled in undergraduate degree programs collectively at what is now designated as Behrend College and the 17 Commonwealth Campuses reside at home and commute to their respective campuses. Because of the significance of commuting students to the size of the student body at these campuses, the projected sizes of the graduating classes from secondary schools within the commuting regions are of importance. Since the geographical region from which students commute to an institution of higher education is established by the time constraints of transportation to and from the campus, the boundaries of a commuting region are not likely to be altered significantly over time.

Table 3 above contains projections for the so-called primary and secondary commuting regions on a combined basis. (A table is also available from the Office of Budget and Planning with projections of the number of high school graduates for each year from 1974 through 1985 from schools within the so-called primary commuting region associated with each of the 18 campuses.)

Those counties which provide 10 percent or more of the commuter enrollment to a campus are categorized as primary counties; those which supply less than 10 percent but more than 5 percent are categorized as secondary counties. Six out of seven commuting students at these campuses reside in counties which are within the primary commuting region of one or more campuses. Thus the primary counties are of much greater significance to commuter-enrollment then those in the secondary regions.

TABLE 3

PROJECTIONS OF HIGH SCHOOL GRADUATES WITHIN PRIMARY COMMUTING REGION OF EACH COMMONWEALTH CAMPUS

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
ALLENTOWN												
LEHIGH	3765	3981	4235	4246	4010	4071	4095	4080	4016	3710	3670	3638
NORTHAMPTON	3651	3888	3823	3844	3713	3573	3419	3447	3584	3403	3351	3292
TOTALS	7416	7869	8058	8090	7723	7644	7514	7527	7600	7113	7021	6930
ALTOONA												
BLAIR	2369	2512	2594	2486	2622	2687	2526	2462	2405	2317	2286	2007
CAMBRIA	3548	3502	3654	3296	3234	3147	2960	2893	2773	2976	2801	2743
TOTALS	5917	6374	6248	5782	5856	5834	5486	5355	5278	5293	4987	4750
BEAVER												
ALLEGHENY	26273	26508	25975	25311	24098	23102	21074	20133	19444	18541	18622	15336
BEAVER	3751	3783	3845	3607	3460	3644	3417	3314	3196	3144	2922	2923
TOTALS	30024	30291	29820	29118	27758	26746	24491	23447	22638	21685	19544	18259
BEHREND												
ERIE	4809	5048	4858	4612	4472	4330	4190	4151	4033	4091	3863	3729
TOTALS	4809	5048	4858	4612	4472	4330	4190	4151	4033	4091	3863	3729
BERKS												
BERKS	4854	4962	4859	4860	4958	4981	4865	4963	4897	4844	4630	4345
TOTALS	4854	4962	4859	4860	4958	4981	4865	4963	4897	4844	4630	4345
DELAWARE												
DELAWARE	10758	11702	10848	9738	10650	10479	10809	10134	9879	9340	8699	8066
PHILADELPHIA	20564	23055	19569	19994	19475	18636	17534	17043	16309	15378	14071	12113
TOTALS	31322	31257	30416	29732	30125	29115	28643	27177	26188	24718	22770	20179
DUBOIS												
CLEARFIELD	1648	1593	1534	1569	1630	1678	1658	1641	1724	1644	1652	1562
ELK	742	800	748	760	726	791	759	688	713	703	672	670
JEFFERSON	843	869	820	757	745	706	706	766	758	754	699	757
TOTALS	3233	3262	3102	3356	3353	3354	3723	3098	3215	3071	2983	2929
FAYETTE												
FAYETTE	2626	2772	2604	2688	2532	2517	2450	2323	2426	2374	2219	2207
TOTALS	2626	2772	2604	2688	2532	2517	2450	2323	2426	2374	2219	2207
HAZLETON												
CARBON	322	370	710	703	605	589	615	649	671	628	599	586
LUZERNE	4723	4514	4433	4311	4208	4143	4102	4019	3893	3844	3488	3293
TOTALS	5045	5093	5143	5014	4813	4732	4717	4668	4564	4472	4087	3879
MCKEESPORT												
ALLEGHENY	26273	26508	25975	25311	24098	23102	21014	20133	19444	18541	18622	15336
TOTALS	26273	26508	25975	25311	24098	23102	21014	20133	19444	18541	18622	15336
MONT ALTO												
FRANKLIN	1672	1685	1626	1639	1658	1675	1649	1760	1652	1548	1636	1519
TOTALS	1672	1685	1626	1639	1658	1675	1649	1760	1652	1548	1636	1519
NEW KENSINGTON												
ALLEGHENY	26273	26508	25975	25311	24098	23102	21014	20133	19444	18541	18622	15336
WESTMORELAND	6769	6434	5446	5261	5439	5426	5148	4963	4852	4790	4562	4494
TOTALS	33042	32942	31419	30572	29517	28528	26147	25076	24361	23331	21184	19830
OGONTZ												
PHILADELPHIA	29564	30055	29568	28994	29475	28636	27834	27043	26309	25378	24071	22173
TOTALS	29564	30055	29568	28994	29475	28636	27834	27043	26309	25378	24071	22173
SCHUYLKILL												
SCHUYLKILL	2522	2512	2477	2434	2303	2342	2204	2316	2271	2194	2036	1977
TOTALS	2522	2512	2477	2434	2303	2342	2204	2316	2271	2194	2036	1977
SHENANGO VALLEY												
LAWRENCE	1696	1996	1892	1889	1882	1908	1755	1682	1706	1618	1534	1607
MERCER	2382	2319	2338	2120	2145	2082	1980	1843	1859	1865	1661	1580
TOTALS	4378	4315	4230	4009	4027	3990	3744	3585	3565	3483	2995	3187
WILKES-BARRE												
LUZERNE	4523	4514	4433	4311	4208	4143	4102	4019	3893	3844	3488	3293
TOTALS	4523	4514	4433	4311	4208	4143	4102	4019	3893	3844	3488	3293
WORTHINGTON-SCRANTON												
LACKAWANNA	3699	3899	3775	3798	3413	3437	3227	3201	3098	3181	3087	2851
TOTALS	3699	3899	3775	3798	3413	3437	3227	3201	3098	3181	3087	2851
YORK												
YORK	4199	4269	4402	4268	4318	4445	4227	4335	4345	4174	3940	3931
TOTALS	4199	4269	4402	4268	4318	4445	4227	4335	4345	4174	3940	3931

TABLE 1

Projections of High School Graduates for the United States and Pennsylvania

Year	Graduates		Pennsylvania as a Percent of U.S.
	United States	Pennsylvania	
1974	3,130,000	187,800	6.0%
1975	3,162,000	191,300	6.0
1976	3,175,000	189,200	5.9
1977	3,199,000	186,100	5.8
1978	3,183,000	185,200	5.8
1979	3,139,000	183,400	5.8
1980	3,096,000	176,600	5.7
1981	3,052,000	173,000	5.7
1982	2,960,000	170,100	5.7
1983	2,835,000	160,100	5.6
1984	2,682,000	153,700	5.6
1985	2,609,000	147,300	5.6

Art department seeking a head

The College of Arts and Architecture at the University is seeking applications and nominations for the position of head of the Department of Art.

According to Dr. Walter H. Walters, dean of the College, candidates will be sought from both within and outside the University. The appointment could be effective spring term.

The nominees and applicants should have administrative experience in art, academic programming and staff development, financial management, and gallery operation. Program areas in the department include painting, sculpture, printmaking, graphic design, ceramics, and photography.

Applications and nominations should be submitted before Dec. 5 to Prof. Bruce Shobaken, chairman of the advisory search committee, Office of the Dean, 111 Arts Bldg., University Park.

Other committee members are: George S. Zorelich, professor of art; James E. Stephenson, associate professor of art; Linda Plotkin, assistant professor of art; Roger R. Zeltner, assistant professor of art at the Altoona Campus; Cris Guenter, undergraduate student; and Frederick B. Snitzer, graduate student.

The search committee will observe the University's affirmative action/equal opportunity standards.

PENN STATE intercom

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'Tis the season . . .

Holiday mail regulations

While offices at University Park are closed for the Christmas break — from 5 p.m. Tuesday, Dec. 23, to 8 a.m. Tuesday, Dec. 30, regular interdepartmental and U.S. mail service will be suspended. Any department which has a special need for delivery of incoming U.S. mail on Dec. 24, 26 and 29 should call University Mail Service at 865-5602 before 5 p.m. Friday, Dec. 12, so that arrangements can be made with the U.S. Postal Service for delivery.

A department requesting this service is responsible (1) for assigning an employee to be at work in the building at a specified time to receive the mail and (2) for receiving all incoming mail for the building in which the department is housed. This is required because the Postal Service sorts incoming mail by building, not by department.

Art sale to be held

The Annual Art Student Holiday Show and Sale, from Dec. 8-13, and the Art Faculty Holiday Show and Sale, from Dec. 14-19, will exhibit works in a wide variety of media in Zoller Gallery. Graduate and undergraduate art majors will offer for purchase works completed since the beginning of fall term in their classes. Professional work will be shown in the faculty exhibition. Gallery hours for the two exhibitions will be 8 a.m. to 5 p.m. Monday through Saturday and noon to 5 p.m. on Sunday.

Christmas trees available

Freshly cut Christmas trees may be ordered at University Park through Friday, Dec. 5, by calling Linda Krape at 865-4237. Douglas fir and Scotch pine trees will be delivered by the Penn State Forestry Society between Dec. 8 and 10. Tree sizes range from 4 feet to 10 feet, and prices, from $9 to $18. Payment should be made on delivery by interdepartmental transfer to School of Forest Resources Budget 804-14 Fund 1001.

Madrigal dinners Dec. 13-14

The Second Annual Madrigal Dinner and Concert will be presented by the Graduate Student Association and the Graduate Commons Saturday and Sunday, Dec. 13 and 14, at 6:30 p.m. in Room 102 Kern Bldg. The setting will be a 16th century English castle, replete with banners, shields, coats of arms, pine boughs and shimmering candles. King Wigley will preside over the feast, featuring rock cornish hen with rice stuffing. Court rules will be observed as guests take part in the traditional Wassail Cup Toast and enjoy the special fanfares announcing the Boar's Head and the Flaming Plum Pudding. There will be Madrigal singers, court jesters, trumpeters and roving minstrels. Tickets at $8 apiece are available at the Information Desk in Kern, and the entire Penn State community is invited to attend this evening of Yuletide cheer.

Nativity scenes wanted

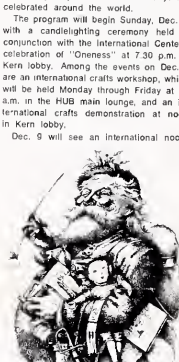
The Graduate Commons Gallery in Kern Bldg. is organizing an exhibition of Nativity scenes from around the world to be displayed from Dec. 6 through Dec. 22. Any staff members who have unusual Nativity scenes and are willing to share them with the University community should contact John McCauley at 865-1878 or stop in at Room 113 Kern Bldg.

International festival planned

An International Holiday Festival will be held from Dec. 7 to Dec. 14 to show the University community some of the different ways important cultural holidays are celebrated around the world.

The program will begin Sunday, Dec. 7, with a candlelighting ceremony held in conjunction with the International Center's celebration of "Oneness" at 7:30 p.m. in Kern lobby. Among the events on Dec. 8 are an international crafts workshop, which will be held Monday through Friday at 11 a.m. in the HUB main lounge, and an international crafts demonstration at noon in Kern lobby.

Dec. 9 will see an international noon-



time concert in Kern lobby and a Thai religious celebration, the Loykratong or harvest festival, at 7:30 p.m. in Kern lobby.

Traditional American Christmas crafts will be demonstrated at noon in Kern lobby Dec. 10, and the following noon there will be an international folk dancing performance there. A Christmas tea, sponsored by the Community Hospitality Council, will also be held Dec. 11 from 2 to 4:30 p.m. in Room 111 Kern.

A concert of traditional American Christmas music is scheduled at 12:15 p.m. Dec. 12 in Kern lobby, and an international coffeehouse and fashion show will be presented at 8 p.m. in Room 102 Kern. The weekend of Dec. 13 and 14 will see a madrigal dinner and concert at 6:30 p.m. in Room 102 Kern, as well as an International dance party Dec. 13 at 7:30 p.m. in the HUB's fourth floor multi-purpose room. Community Awareness will sponsor an international children's Christmas party at 2 p.m. in the Walnut Bldg. Cultural Center on Dec. 14.

A series of events has been planned to run throughout the week. Included are an arts and crafts exhibit, a display of international banners, holiday stamps and UNICEF cards and a Christmas tree with international ornaments, all in Kern. The Cultural Center will feature a display of international dolls. At the HUB, there will be an exhibition of Norwegian Viking Art.

Festival activities are being sponsored by the Graduate Commons, the Graduate Student Association, the Hetzel Union Board, the Community Awareness Program, the Cultural Center, the Office of Religious Affairs, the Office of International Student Affairs and the International Student Council. International Holiday Festival has also received support from a grant by the University Committee on International Programs.

(Continued on page four)

Senate to consider Pass-Fail amendments at Dec. 9 meeting

The University Faculty Senate will consider three amendments to the Pass-Fail System at its Dec. 9 meeting.

The amendments involve proposed changes in Student Rules M-12 and M-13.

One amendment provides that courses scheduled under the Pass-Fail Grading System shall be electives only, except that a student's academic unit may permit the student to take courses used in meeting the Basic Degree Requirements under this system. Electives are defined as credits reserved for the students' unrestricted choice of any baccalaureate degree course.

Another proposed amendment would allow a student taking a course on a Pass-Fail basis to change back to the conventional grade system within the 21-day drop period of the term succeeding that in which the course was taken. In such a case, the conventional grade originally submitted by the instructor becomes the grade of record. Every course scheduled under the Pass-Fail Option will be charged against the maximum limit set.

The third amendment would reduce the number of credits that can be taken Pass-Fail under both rules M-12 and M-13. It would allow students to schedule at least six credits a term on the pass-fail basis and set the maximum a student could schedule at 12 credits, rather than the current 18 credits. Associate degree students would be limited to a maximum of six credits.

The Senate also will receive reports from the Senate Committee on Undergraduate Instruction on proposed changes in academic policies and procedures for undergraduate students.

The changes involve policies covering definition of student status, courses under departmental auspices, withdrawal, and general undergraduate degree requirements — revisions to exception procedure.

The committee will also present an informational report on credit by examination.

PLRB decision explained

The Pennsylvania Labor Relations Board (PLRB) on Nov. 12 granted permission to the Pennsylvania State University Professional Association (PSUPA) to withdraw the charge of unfair practices against the University, filed on May 28, 1974, but not without prejudice.

The withdrawal was permitted also with the understanding that the status quo relationship between the University and the Faculty Senate will not prevent the holding of a true and perfect election because of this relationship; and that the complaint issued by the Board is hereby rescinded.

With no exceptions filed, the decision and order became absolute and final on Nov. 22, the ten-day period authorized for exceptions having passed.

The complainant, PSUPA, on Oct. 22, 1975, had requested permission to withdraw the charge without prejudice, but the PLRB denied the "without prejudice" condition.

The University on Nov. 5, 1975, had filed with the PLRB a letter objecting to withdrawal of the charge "without prejudice," noting that the charge had been under litigation for some 17 months; extensive hearings were held; a transcript of 1,078 pages was compiled, 96 exhibits were introduced; proposed findings of facts and briefs were prepared and submitted to the Hearing Examiner; and countless manhours and money were expended in the process.

Further, the University contended and attached an exhibit which indicated that the PSUPA, despite its request for withdrawal, continues to allege that the Faculty Senate is illegally University-dominated and that the only reason for withdrawal of the charge is to facilitate the holding of an early election. The University concluded by stating that PSUPA "should not be permitted to invoke the electoral processes of the Board under circumstances where it retains the right to repudiate the results of that process.

"The Board must agree with the position set forth by the University," the decision and order of withdrawal said. "The request to withdraw by the Association under the herein described circumstances cannot be granted without prejudice. An election, if held, cannot be later attacked or discredited because of alleged domination by the University over the Faculty Senate. The withdrawal by the Association under these circumstances is at least an admission that the status quo relationship between the University and the Faculty Senate will not prevent the holding of a true and perfect election because of this relationship."

Community advisory group formed

In an effort to increase the enrollment of black students at the University, an advisory committee to include black community leaders from throughout Pennsylvania will be organized.

This was one of the suggestions that came from a weekend meeting last month at University Park of representative black community leaders, primarily from the Philadelphia and Pittsburgh areas, with University personnel. The meeting followed earlier sessions with leaders in the black communities of Philadelphia and Pittsburgh.

Following the initial sessions, a report dealing with admissions, recruitment, financial aid, and ways of increasing the number of black staff and faculty members, was prepared in draft form.

Heading the Task Force on Increasing Black Enrollment appointed by President Oswald are: Dr. Raymond O. Murphy, vice president for student affairs, and Dr. Robert E. Dunham, vice president for undergraduate studies, co-chairmen. Other task force members are Dr. Edward V. Ellis, associate dean for continuing education, Human Development; Dr. N. J. Palladino, dean of the College of Engineering; Thelma T. Price, assistant vice president for student affairs, in charge of special programs and services; Joseph F. Douglas, associate dean of academic instruction for Commonwealth Campuses; Dr. Patricia Farrell, associate professor of recreation and parks and formerly affirmative action officer; Dr. James B. Bartoo, dean of the Graduate School; Dr. Herbert G. McGibeny, director of the McKeesport Campus; and Dr. Glenn G. Carter, director of secondary school relations.

PENN STATE COLLECTION

Winter Term 1976 Calendar

The Pennsylvania State University University Park Campus

Thursday, December 4

Classes begin, 8 a.m.
Tour of Pattee Library, 9, 10, 11 a.m and 2, 3, 4, 7 p.m., lobby of Pattee.
Commons Videotape, 12 noon, Kern lobby.
Sports: Men's basketball, vs. Delaware, 8 p.m., Rec Hall.

Friday, December 5

Public reception, "Paintings and Prints" by Steven Barbash, 7:30 p.m., Zoller Gallery.
Artists Series, Stockholm Philharmonic, 8:30 p.m., University Auditorium.
Nigel Nicolson, author, on "Bloomsbury: The Accidental Myth," 8 p.m., Room 112 Kern, Institute for the Arts and Humanistic Studies Lecture.
Commonspace Coffeehouse, 8 p.m., Room 102 Kern.
Sports: Wrestling, PSU Invitational.

Saturday, December 6

Sports: Penn State Swimmmg and Diving Relay Championships, 8:30 a.m., Natatorium, Women's and men's bowling, vs. Glennville, 1 p.m., Rec Hall.
Hetzel Union Board jammy, 8 p.m., HUB ballroom.
Sports: Wrestling, PSU Invitational. Men's fencing, vs. Maryland.

Sunday, December 7

Sports: Men's basketball, vs. Ohio State, 2 p.m., Rec Hall.
"Messiah," 3 p.m., University Auditorium.
Candlelighting ceremony in conjunction with the International Center's Celebration of Christmas, 7:30 p.m., Room 111 and lobby of Kern.
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. James H. Nichols, modern European philosophy history, Princeton Theological Seminary.
Black Christian Fellowship worship service, 11 a.m., Cultural Center, Walnut Bldg.
Free U registration, 1-10 p.m., HUB ballroom.
Phi Beta Kappa, sherry and cider party, 3-5 p.m., Fireside Room, Nittany Lion Inn.

WEEK OF DECEMBER 8

Monday, December 8

E. W. Wickersham on "Biological Aspects of Sex," 7:30 p.m., Thompson Lounge. Sponsored by West Halls Residential Life Staff.
Karen Scott, soprano, 8:30 p.m., Music Bldg. recital hall.
France Cinema, "Alexandre," 7 and 9 p.m., Room 112 Kern.
International Crafts Workshop, 11 a.m., HUB main lounge.
International Crafts Demonstration, 12 noon, Kern lobby.
World Food Crisis Lecture Series, Dr. William C. Paddock, author and consultant in tropical agriculture, on "Triage: A Response to this Time of Famine," 8 p.m., Room 102 Forum. Sponsored by the University Committee for International Programs and the College of Agriculture.
College of Health, Physical Education and Recreation faculty meeting, 7 p.m., Room 109 White.

Tuesday, December 9

Sports: Men's basketball, vs. Virginia, 8 p.m., Rec Hall.
Peer Contraceptive Educators on "Practicalities of Sex," 7:30 p.m., Thompson Lounge. Sponsored by West Halls Residential Life Staff.



Dr. Dante Germino, professor of government and foreign affairs, University of Virginia, on "Freedom and the Moral Order," 8 p.m., auditorium, Keller Conference Center
International Crafts Workshop, 11 a.m., HUB main lounge.
International Noontime Concert, 12 noon, Kern lobby.
Thai religious celebration, "Loykratong" (Harvest Festival). 7:30 p.m., Kern lobby.
Library Seminar, "The Card Catalog and the Serials Holding List — Locating Books and Periodicals in Pattee Library," 7 p.m., Room W110 Pattee.

Wednesday, December 10

"Noondays" in Advent, the story of the birth of Jesus as recorded in "The Gospel according to Luke," large chapel, Eisenhower Chapel.
Dr. Graham Spanier on "Sexuality and Interpersonal Relationships," 7:30 p.m., Thompson lounge. Sponsored by West Halls Residential Life Staff.
"Europe '75," slide show prepared by students of Architecture Study Abroad Program, 8 p.m., HUB main lounge.
George Packard, candidate for the U.S. Senate, 7:30 p.m., HUB assembly room.
Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.
Artists Series Film Festival, "Bringing Up Baby," 8:30 p.m., University Auditorium
GSA Commonspace Theatre, "Casablanca," 7:30 and 9:30 p.m., Room 112 Kern.
International Crafts Workshop, 11 a.m., HUB main lounge.
Traditional American Christmas crafts demonstration. 12 noon, Kern lobby.
Manuel Azpurua on "Process of Nationalizing the Venezuelan Oil Industry," 7:30 p.m., Room 101 Kern. Sponsored by the Latin American Student Assoc.

Thursday, December 11

Art Constantino on "Social Games at Penn State," 7:30 p.m., Thompson lounge Sponsored by West Halls Residential Life Staff.
"Europe '75," slide show prepared by students of Architecture Study Abroad Program, 8 p.m., HUB main lounge.
Dr. Jack Wasserman, Tyler School of Art, on "The Monster Leonardo Painted for His Father," 8 p.m., HUB assembly room.
Commons Videotape, 12 noon, Kern lobby.
International Crafts Workshop, 11 a.m., HUB main lounge.
International folk dancing performance, 12 noon, Kern lobby.
Panel discussion, "Implications of Triage on World Hunger," 7:30 p.m., Room 101 Kern.
Christmas Tea, sponsored by the Community Hospitality Council, 2-4.30 p.m., Room 111 Kern.
College of Business Administration faculty meeting, 1:30 p.m., Room 201 Business Adm.

Friday, December 12

International Crafts Demonstration, 11 a.m., HUB main lounge.
Noontime Concert of traditional American Christmas music, 12:15 p.m., Kern lobby.
International Coffeehouse and fashion show, 8 p.m., Room 102 Kern.
Sports: Wrestling, vs. Michigan.

Saturday, December 13

Yuletide music. Christmas in the Colonies, Penn State Glee Club and Penn State Brass Chorale, 8:30 p.m., Schwab.
Madrigal Dinner/Concert, 6.30 p.m., Room 102 Kern.
International dance party, 7:30 p.m., 4th floor, HUB multi-purpose room.
Hillel Foundation film, "Exodus," 7:30 and 9:30 p.m., HUB.
Sports: Wrestling, vs. Springfield. Men's fencing, vs. SUNY-Binghamton.

Sunday, December 14

Yuletide music: Christmas in the Colonies, Penn State Glee Club and Penn State Brass Chorale, 3:30 p.m., Schwab.
International children's Christmas party, 2 p.m., Cultural Center, Walnut Bldg Sponsored by Community Awareness.
Madrigal Dinner/Concert, 6:30 p.m., Room 102 Kern.
International Dance, 7 p.m., HUB ballroom.
Chapel Service, 11 a.m., Music Bldg. recital hall. "The Christmas Story — An Early American Setting. Atl Faith Chapel Choir, Tommie Irwin, director.
Black Christian Fellowship worship service 11 a.m., Cultural Center, Walnut Bldg
Hillel Foundation film, "Exodus. 7.30 and 9.30 p.m., HUB assembly room.
Graduate Women In Science lecture, 2 p.m., Room 112 Kern.

WEEK OF DECEMBER 15

Monday, December 15

Late registration deadline
Add deadline.
Color Slide Club Christmas party, 7:30 p.m., Room 112 Kern.
Laura Sardinas, violin, 8:30 p.m., Music Bldg. recital hall.

Tuesday, December 16

Sports: Men's basketball, vs. Kent State, 8 p.m., Rec Hall.
Artists Series Film Festival, "La Strada," 7 and 9 p.m., Schwab.
GSA Council meeting, 7 p.m., Room 101 Kern.
Two Cultures Dialogue, noon, Room 189 Materials Research Lab. Visiting professor Norman A. Graebner on "Historical View of the Two Cultures Gap."
College of Liberal Arts faculty meeting, 3.45 p.m., Room 121 Sparks

Wednesday, December 17

Composers' Concert, 8:30 p.m., Music Bldg. recital hall.
"Noondays" in Advent, the story of the birth of Jesus as recorded in "The Gospel according to Matthew," 12 noon, large chapel, Eisenhower Chapel.
GSA Commonspace Theatre, "White Heat," 7.30 and 9.30 p.m., Room 112 Kern.
African Studies Forum, Dr. Beverly Lindsay, education, on "Role of Women in Modern African Society" 7:30 p.m., Cultural Center, Walnut Bldg.

Thursday, December 18

Commons Videotape, 12 noon, Kern lobby.

Saturday, December 20

Christmas-New Year's recess, begins 12:25 p.m.

WEEK OF JANUARY 5

Monday, January 5

Classes resume, 8 a.m.
College of Health, Physical Education and Recreation faculty meeting, 7 p.m., Room 109 White.

Tuesday, January 6

File for Pass/Fail.

Wednesday, January 7

File for Pass/Fail.
Artists Series Film Festival, "Stagecoach," 8:30 p.m., University Auditorium.
"Noondays," devotional period, 12 noon, large chapel, Eisenhower Chapel.
GSA Commonspace Theatre, "To Have and Have Not," 7.30 and 9.30 p.m., Room 112 Kern.
World Food Crisis Lecture Series, Dr. Don C. Kimmel, The Food and Agriculture Organization of the United Nations, on "International Action to Feed the World," 8 p.m., Room 105 Forum. Sponsored by the Committee for International Programs and the College of Agriculture.

Thursday, January 8

Preregistration deadline.
Drop deadline.
File for Pass-Fail.
Course repeat deadline.
Commons Videotape, 12 noon, Kern lobby.

Friday, January 9

Artists Series, Martin Best, lutenist and guitarist. "The Art of the Troubador," 8.30 p.m., Schwab.
Folk and Square Dance Roundup, 7:30 p.m., south gym, White.
GSA Commonspace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, January 10

Sports. Women's swimming, vs. Springfield, 2 p.m. Men's and women's gymnastics, vs. Springfield, 8 p.m., Rec Hall.
Sports: Wrestling, vs. Bloomsburg State. Artists Series, Marcel Marceau, mime, 8.30 p.m., University Auditorium.
Black Caucus, "Dime Disco," 9 p.m., HUB ballroom.

Sunday, January 11

Public reception, "Recent Sculptures by John Cook," 3-5 p.m., Museum of Art. Teri Gemberling, piano, 3.30 p.m., Music Bldg. recital hall.
Chapel Service, 11 a.m., Music Bldg., recital hall. The Right Rev. Henry W. Murph, Bishop, African Methodist Episcopal Church, Washington, D.C.

WEEK OF JANUARY 12

Monday, January 12

Davis Brooks, violin, 8:30 p.m., Music Bldg. recital hall.
France Cinema, "Zazie and the Subway," 7 and 9 p.m., Room 112 Kern.

Tuesday, January 13

Sports: Men's and women's bowling, vs. Gettysburg, 3 p.m.; Rec Hall.
College of Arts and Architecture faculty meeting, 4 p.m., Room 302 Engineering A.
Artists Series Film Festival, "Il Bidone," 7 and 9 p.m., Schwab.
College of Liberal Arts faculty meeting, 3.30 p.m., Room 121 Sparks.
College of Agriculture faculty meeting, 4 p.m., Rooms 301 A and B Ag. Administration.

Wednesday, January 14

Thalia Trio, 8.30 p.m., Music Bldg recital hall.
"Noondays" devotional period, 12 noon, large chapel, Eisenhower Chapel.

Exhibits

Museum of Art:
Through Dec. 21: Works on Paper from the Permanent Collection. Architectural and Ornament Drawings: Juvarra, the Bibiena Family, and Other Italian Draughtsmen.
Jan. 11-Feb. 29. Recent Sculptures by John Cook. Hugo Weber, A Retrospective Exhibit.
The Museum is closed from Dec. 22-Jan. 1. Free public gallery tours Thursdays at 1:30 p.m.

Zoller Gallery:
Through Dec. 6: Paintings and Prints by Steven Barbash.
Dec. 8-13. Annual Art Student Holiday Show and Sale
Jan. 5-17: Student Painting and Ceramics Exhibition.
Jan. 18-30: Student Sculpture Exhibition.
Feb 1-20: David Hare Exhibition.

HUB Gallery:
Through Dec. 19: Norwegian Viking Art (Norwegian Information Service).
Dec. 14-19: Art faculty holiday show and sale.
Jan. 5-17: Free U Art Show, Mike Loren
Jan. 17-Feb. 15. Jack Tar, American Profiles of Merchant Seafarers, 1794-1803 (Smithsonian Institution).

Kern Gallery:
Though Dec. 14. International Holiday Festival Exhibits.
Jan. 10-Feb. 1. Central Pa. Scholastic Art Show.

Chambers Gallery:
Through Dec. 19. Faculty-Teaching Art Exhibit, all media.
Jan. 6-29: Musical Instruments.
Jan. 30-Feb. 25. Graduate Student Exhibition, all media.

Cultural Center:
Dec. 7-14. Display of International Dolls

Pattee Library:
Main Lobby — Through Jan. 5; Gem Cutting Exhibit by Dr. Dean Smith. Lending Services Lobby — through Jan. 7: The Christmas Tree Exhibit, prints from the Rare Books Collection. East Corridor Lobby — through Dec. 8: Batik Paintings, Sharon Selt. Dec. 9-Jan. 12: Drawings and Photographs, Maureen and Gary Neil.

Thursday, January 15

Late registration deadline
Commons Videotape, 12 noon, Kern lobby.

Friday, January 16

Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.
GSA Commonspace Coffeehouse, 8 p.m., Room 102 Kern.
Recreation and Parks Society Professional Careers Conference, 8 a.m.-5 p.m., HUB ballroom.

Saturday, January 17

Sports: Men's basketball, vs. Muhlenberg, 2 p.m., Rec Hall. Women's and men's bowling, PSU Invitational, 3 p.m., Rec Hall. Women's swimming, vs. Pittsburgh.
Un-Common Dinner Theatre, "6 Rms Riv Vu," 6:30 p.m., Room 102 and 112 Kern.
Campus 4-H Club '50's Record Hop, 7 p.m., HUB ballroom.
Sports: Men's swimming, vs. Pittsburgh.

Sunday, January 18

Marilyn Manning, flute, 3:30 p.m., Music Bldg. recital hall.
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Hugh Brooks, recreation, parks.
Black Christian Fellowship worship service, 11 a.m., Cultural Center, Walnut Bldg.
Un-Common Dinner Theatre, "6 Rms Riv Vu," 6:30 p.m., Rooms 102 and 112 Kern.

WEEK OF JANUARY 19

Monday, January 19

Sports: Men's basketball, vs. Gettysburg, 8 p.m., Rec Hall.
Color Slide Club, William Davis on "Selection, Staging, and Judging a Photographic Show," 7:30 p.m., Room 112 Kern.
June Miller, organ, 8:30 p.m., Music Bldg. recital hall.
Library Seminar, "Education Reference Materials," 7 p.m., Room W110 Pattee.

Tuesday, January 20

GSA Council meeting, 7 p.m., Room 101 Kern.

Wednesday, January 21

Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.
"Noondays" devotional period, 12 noon, large chapel, Eisenhower Chapel.
Sports: Men's and women's bowling, PSU Invitational, 1 p.m., Rec Hall.
GSA Commonspace Theatre, "I Am a Fugitive from a Chain Gang," 7:30 and 9:30 p.m., Room 112 Kern.

Thursday, January 22

Gallery talk, Robert H. Luck, curator, Finch College Museum of Art, on "Hugo Weber - A Retrospective Exhibition," 7:30 p.m., Museum of Art.
Commons Videotape, 12 noon, Kern lobby.
University Theatre, Noel Coward's "Hay Fever," 8 p.m., Playhouse Theatre.

Friday, January 23

University Theatre, "Hay Fever," 8 p.m., Playhouse Theatre.
GSA Commonspace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, January 24

Sports: Women's fencing, vs. Ohio State, 9 a.m. Women's basketball, vs. Ithaca, 2 p.m., White. Men's basketball, vs. West Virginia, 2 p.m., Rec Hall. Men's and women's gymnastics, vs. Ohio State, 8 p.m., Rec Hall.
Hillel Foundation film, "Kazablan," 7:30 and 9:30 p.m., HUB assembly room.
University Theatre, "Hay Fever," 8 p.m., Playhouse Theatre.
PSU Symphony Orchestra, 8:30 p.m., Schwab.
Sports: Men's swimming, vs. Bloomsburg State. Men's fencing, vs. William Paterson.

Sunday, January 25

Artists Series, Igor Kipnis, harpsichordist, 3:30 p.m., Schwab.
Alpha Chi Omega "Greek Sing," 2-4 p.m., HUB ballroom.
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Robert A. Raines, director, Kirkridge Retreat and Study Center, Bangor, Pa.
Black Christian Fellowship worship service, 11 a.m., Cultural Center, Walnut Bldg.
Hillel Foundation film, "Kazablan," 7:30 and 9:30 p.m., HUB assembly room.

WEEK OF JANUARY 26

Monday, January 26

Raymond Page, viola, 8:30 p.m., Music Bldg. recital hall.
France Cinema, "Ramparts of Clay," 7 and 9 p.m., Room 112 Kern.

Tuesday, January 27

University Theatre, "Hay Fever," 8 p.m., Playhouse Theatre.
Library Seminar, "Psychology Reference Materials," 7 p.m., Room W110 Pattee.
College of Earth and Mineral Sciences faculty meeting, 4 p.m., Room 26 Mineral Sciences.

Wednesday, January 28

"Noondays" devotional period, 12 noon, large chapel, Eisenhower Chapel.
GSA Commonspace Theatre, "Mutiny on the Bounty," 7:30 and 9:30 p.m., Room 112 Kern.
World Food Crisis Lecture Series, Dr. Robert F. Chandler on "The Outlook for the Green Revolution," 8 p.m., Room 105 Forum. Sponsored by the University Committee for International Programs and the College of Agriculture.
University Theatre, "Hay Fever," 8 p.m., Playhouse Theatre.
Musica da Camera, 8:30 p.m., Music Bldg. recital hall.

Thursday, January 29

Commons Videotape, 12 noon, Kern lobby.
USA vs. USSR Men and Women International Gymnastics, Rec Hall. Olympic compulsory exercise competition for men, at 2 p.m., women at 7 p.m.
University Theatre, "Hay Fever," 8 p.m., Playhouse Theatre.

Friday, January 30

USA vs. USSR Men and Women International Gymnastics, optional competition women and men, 8 p.m., Rec Hall.
University Theatre, "Hay Fever," 8 p.m., Playhouse Theatre.
Sharon Brook, piano, 8:30 p.m., Music Bldg. recital hall.
GSA Commonspace Coffeehouse, 8 p.m., Room 102 Kern.
Episcopal Student Assoc. Square Dance with the Buffalo Chipkickers, 7:30 p.m., HUB ballroom.
Sports: Men's fencing, vs. Baruch and NYU.

Saturday, January 31

USA vs. USSR Men and Women International Gymnastics, optional exercise competition women and men, 8 p.m., Rec Hall.
University Theatre, "Hay Fever," 8 p.m., Playhouse Theatre.
Campus Crusade for Christ Square Dance, 7 p.m., HUB ballroom.
Sports: Men's fencing, vs. Army.

Sunday, February 1

Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Robert C. Fox, State College.
Black Christian Fellowship worship service, 11 a.m., Cultural Center, Walnut Bldg.

WEEK OF FEBRUARY 2

Monday, February 2

First day of signing Spring Term NDSL, BEOG, and University Long Term Loans, Room 108 Shields.
Library Seminar, "Term Paper Workshop," 7 p.m., Room W110 Pattee.
College of Health, Physical Education and Recreation faculty meeting, 7 p.m., Room 109 White.

Tuesday, February 3

Library Seminar, "Environment Reference Materials," 7 p.m., Room W110 Pattee.

Wednesday, February 4

Sports: Men's basketball, vs. Temple, 8 p.m., Rec Hall.
"Noondays" devotional period, 12 noon, large chapel, Eisenhower Chapel.
GSA Commonspace Theatre, "The Harder They Fall," 7:30 and 9:30 p.m., Room 112 Kern.

Thursday, February 5

Commons Videotape, 12 noon, Kern lobby.
College of Business Administration faculty meeting, 10 a.m., Room 201 Business Adm.

Friday, February 6

Folk and Square Dance Roundup, 7:30 p.m., south gym, White.
GSA Commonspace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, February 7

Sports: Women's basketball, vs. Cortland, 2 p.m., White. Women's swimming, vs. West Chester, 7 p.m.
Sports: Wrestling, vs. Navy. Men's swimming, vs. Bucknell. Men's fencing, vs. New Jersey Tech.

Sunday, February 8

Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Gerald E. Gipp, education.
Black Christian Fellowship worship service, 11 a.m., Cultural Center, Walnut Bldg.

WEEK OF FEBRUARY 9

Tuesday, February 10

Artists Series Film Festival, "Nights of Cabiria," 8:30 p.m., University Auditorium.
Central Pa. Archaeological Institute lecture, "Robert Bull," 8 p.m., Room 112 Kern.
Sports: Women's basketball, vs. East Stroudsburg, 8 p.m., White. Women's swimming, vs. Shippensburg, 3 p.m.
College of Liberal Arts faculty meeting, 3:30 p.m., Room 121 Sparks.

Wednesday, February 11

"Noondays" devotional period, 12 noon, large chapel, Eisenhower Chapel.
Sports: Women's fencing, vs. Temple, 4 p.m., White. Men's basketball, vs. Syracuse, 8 p.m., Rec Hall.
GSA Commonspace Theatre, "The Misfits," 7:30 and 9:30 p.m., Room 112 Kern.
Gregory Donovetsky, oboe, 8:30 p.m., Music Bldg. recital hall.
Last day for signing Winter Term NDSL, BEOG, and University Long Term Loans, Room 108 Shields.
Sports: Men's swimming, vs. Temple. Men's fencing, vs. Temple.

Thursday, February 12

Commons Videotape, 12 noon, Kern lobby.

Friday, February 13

University Theatre, "Norton I, Emperor of the United States," 7:30 p.m., Pavilion Theatre.
GSA Commonspace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, February 14

University Theatre, "Norton I, Emperor of the United States," 10:30 a.m. and 2:30 p.m., Pavilion Theatre.
Phi Delta Kappa Ladies Night Social, 8 p.m., Room 102 Kern.
Sports: Women's fencing, vs. Madison, Caldwell, Trenton, 9 a.m. Women's basketball, vs. Shippensburg, 1:30 p.m., White. Men's and women gymnastics, vs. Southern Connecticut, 8 p.m., Rec Hall.

Sunday, February 15

University Theatre, "Norton I, Emperor of the United States," 2:30 p.m., Pavilion Theatre.
Chapel Service, 11 a.m., Eisenhower Chapel. Rev Charles L. Coleman, program director, Religious Affairs.
Black Christian Fellowship worship service, 11 a.m., Cultural Center, Walnut Bldg.



WEEK OF FEBRUARY 16

Monday, February 16

Color Slide Club, David Palermo on "Australia," 7:30 p.m., Room 112 Kern.
Composers' Concert, 8:30 p.m., Music Bldg. recital hall.

Tuesday, February 17

Gallery talk, Hedy B. Landman, director of the Danforth Museum, on "The Paper on the Wall," 10:30 a.m., Museum of Art.

Wednesday, February 18

Artists Series Film Festival, "Gone with the Wind," 8:30 p.m., University Auditorium.
Penn State Brass Chorale, 8:30 p.m., Music Bldg. recital hall.
"Noondays" devotional period, 12 noon, large chapel, Eisenhower Chapel.
GSA Commonspace Theatre, "The African Queen," 7:30 and 9:30 p.m., Room 112 Kern.

Thursday, February 19

Commons Videotape, 12 noon, Kern lobby.

Friday, February 20

Folk and Square Dance Roundup, 7:30 p.m., south gym, White.
University Theatre, "Norton I, Emperor of the United States," 7:30 p.m., Pavilion Theatre.
GSA Commonspace Coffeehouse, 8 p.m., Room 102 Kern.
Sports: Women's basketball, vs. Pittsburgh, 7 p.m., White.

Saturday, February 21

Sports: Women's and men's bowling, PSU Invitational, 1 p.m., Rec Hall. Women's swimming, vs. East Stroudsburg, Clarion, Slippery Rock, 7 p.m. Men's basketball, vs. Pittsburgh, 8 p.m., Rec Hall.
University Theatre, "Norton I, Emperor of the United States," 10:30 a.m. and 2:30 p.m., Pavilion Theatre.
PSU Symphony Orchestra, 8:30 p.m., University Auditorium.
The Contemporary Dance Company in Concert, 8:30 p.m., Schwab.
Sports: Wrestling, vs. Pittsburgh. Men's swimming, vs. West Virginia.

Sunday, February 22

Artists Series, "The Marriage of Figaro," 8:30 p.m., University Auditorium.
University Theatre, "Norton I, Emperor of the United States," 2:30 p.m., Pavilion Theatre.
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Eloise C. Snyder, sociology.
Black Christian Fellowship worship service, 11 a.m., Cultural Center, Walnut Bldg.
The Contemporary Dance Company in Concert, 2:30 and 8:30 p.m., Schwab.

WEEK OF FEBRUARY 23

Monday, February 23

Cathy Havens, soprano, 8:30 p.m., Music Bldg. recital hall.

Wednesday, February 25

Deadline for late Drop-Adds. Classes end.
Last day for signing Winter Term Emergency Loans, Room 108 Shields.

Thursday, February 26

Final examinations.

Friday, February 27

Final examinations.
Sports: Wrestling, EWL Tournament.

Saturday, February 28

Final examinations.
Sports: Wrestling, EWL Tournament. Men's swimming, vs. St. Bonaventure.

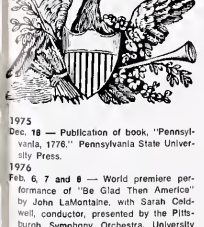
Wednesday, March 3

College of Earth and Mineral Sciences faculty meeting, 4 p.m., Room 26 M.S.

Saturday, March 6

Commencement.

Bicentennial Events



1975
Dec. 18 — Publication of book, "Pennsylvania, 1776." Pennsylvania State University Press.

1976
Feb. 6, 7 and 8 — World premiere performance of "Be Glad Then America" by John LaMontaine, with Sarah Caldwell, conductor, presented by the Pittsburgh Symphony Orchestra, University Choirs, and guest soloists. 8:30 p.m., Feb. 6 and 7; 3 p.m., Feb. 8, University Auditorium. Tickets for Feb. 6 and 8 performances distributed through Artists Series.
Feb. 6-26 — Nick Ruggieri Bicentennial Art Exhibit, 80 watercolors, including scenes from each of 67 counties of Pennsylvania, Commons Gallery, Kern Graduate Bldg.
Feb. 14-15 — Artists Series presents Alvin Alley City Center Dance Theatre, 8:30 p.m., Feb. 14 and 3 p.m., Feb. 15, with workshop to be announced. University Auditorium.

Four lectures set this week

Role of triage analyzed

"Triage: A Response to this Time of Famines" is the title of a public lecture to be presented by Dr. William C. Paddock at 8 p.m. Monday, Dec. 8, in Room 102 Forum Bldg. This is the first in a three-part series on the world food crisis sponsored by the University Committee for International Programs and the College of Agriculture.

Dr. Paddock was the first to propose the application of triage to U.S. agricultural aid programs in his book, "Famine-1975." Maintaining that the U.S. cannot produce enough food to keep alive the exploding populations of every hungry nation, he advocates triage — deciding which countries will receive food and which will not.

A specialist in tropical agriculture, Dr. Paddock received his Ph.D. in plant pathology and plant breeding at Cornell University. He has taught at Penn State and Iowa State and since 1965 has been a consultant in tropical agricultural development working primarily with private industry.

Kibbutz life lecture topic

"Social Bonds and Utopia. Three Generations of Kibbutz Life" will be the topic of Dr. Lionel Tiger at 3:30 p.m. Thursday, Dec. 11, in Room 112 Kern Bldg.

Professor of anthropology at Rutgers University, Dr. Tiger is the co-author of "Women in the Kibbutz," a book which supports the hypothesis that traditional sex roles are prevailing on Israel's collective farms despite the ideology of sexual equality there.

The author of "Men in Groups" and "Imperial Animal," Dr. Tiger is a graduate of McGill, where he earned his bachelor's and master's degrees, and the University of London, which conferred his Ph.D. Prior to coming to Rutgers in 1966, he taught at the University of British Columbia.

Germino to talk Dec. 9

Dr. Dante Germino, professor of government and foreign affairs at the University of Virginia, will speak on "Freedom and the Moral Order" at 8 p.m. Tuesday, Dec. 9, at the Keller Bldg. Auditorium.

His lecture, which is open to the public, is co-sponsored by the DuBois and University Park Campuses. It is part of the "Freedom: Then, Now and Tomorrow" bicentennial program of Continuing Education.

Dr. Germino received his baccalaureate degree at Duke University and his M.A. and Ph.D. at Harvard. He taught at Wellesley College for ten years and then joined the Rockefeller Foundation Overseas Field Staff in University Development. He has been at Virginia since 1968.

He is the author of "Modern Western Political Thought: Machiavelli to Marx," "The Italian Fascist Party in Power: A Study in Totalitarian Rule" and "Beyond Ideology: The Revival of Political Theory." The co-author of two other books, he has written numerous articles for scholarly publications and is a regular contributor to "National Review."

Bloomsbury is Nicolson's subject

Nigel Nicolson, English writer and publisher and the author of the recent best-selling biography, "Portrait of a Marriage," will deliver a public lecture at 8 p.m. Friday, Dec. 5, in Kern Bldg. Auditorium on "Bloomsbury, the Accidental Myth." His talk traces the relationship of Virginia Woolf to the Bloomsbury cultural circle in which she moved. Mr. Nicolson is editor with Dr. Joanne Trautmann, associate professor of humanities at Hershey, of "The Letters of Virginia Woolf." He has also written several books on politics, architecture and social history.

Seminar schedule—Dec. 4-11

Thursday, Dec. 4

Chemistry, 12:45 p.m., Room 333 Whitmore. James L. Kassner, University of Missouri at Rolla, on "Homogeneous and Heterogeneous Nucleation of Water Vapor."

Mathematics, 4 p.m., Room 102 McAllister. Antoni Zygmund, University of Chicago, on "Problems of Differentiability of Functions."

Agronomy, 4 p.m., Room 111 Tyson. Dave Belesis on "Forest Research in Ireland."

Meteorology, 4 p.m., Room 26 Mineral Sciences. Dr. Lothar Koschmieder, civil engineering, University of Texas, on "Symmetric Circulations of Planetary Atmospheres."

Monday, Dec. 8

Genetics, 3:55 p.m., Room 111 Tyson. Dr. J. E. Wright Jr., biology, on "Development and Uses of Inbred Lines of Trout."

Biochemistry and Biophysics, 4 p.m., Room 101 Althouse. Richard S. Morgan on "Chains of Alternating Sulfur and Pi-Bonded Atoms in Proteins."

Computation Center, 7:30 p.m., Keller. "PL/E (3)."

Organic Chemistry, 8 p.m., Room 333 Whitmore. Lloyd M. Jackman on "Short Course in ^{13}C-NMR." (It will also meet Dec. 9, 10.)

Tuesday, Dec. 9

ARL, 10:45 a.m., Eric A. Walker Conference Room, Applied Science Bldg. C. B. Baker on "Influence of Polymer Additive on Jet Cavitation."

Water Pollution Control, 2:20 p.m., Room 124 Sackett. "Enabling Legislation and Local Administration."

Statistics, 4 p.m., Room 75 Willard. George H. Weiss, Physical Sciences Lab., PHS, NIH, Bethesda, on "Theory of Traffic Noise."

Wednesday, Dec. 10

Fuel Science, 4 p.m., Room 301 Mineral Industries. Dr. N. S. B. Murthy, mechanical engineering, Purdue University, on "Flow Laser Cavities."

Thursday, Dec. 11

Chemistry, 12:45 p.m., Room 333 Whitmore. Dennis C. Johnson, Iowa State University, on "Applications of Electronanalysis to Liquid Chromatography."

Anthropology, 3:30 p.m., Room 112 Kern. Dr. Lionel Tiger, Rutgers University, on "Social Bonds and Utopia. Three Generations of Kibbutz Life."

Physics, 3:50 p.m., Room 117 Osmond. John McTague, Brookhaven National Lab., on "Neutron Scattering of Structure and Dynamics of Adsorbed Layers."

Microbiology and Cell Biology, 3:55 p.m., Room 32 Fred. A.L. Phillips on "Structural Studies and Biosynthesis of Keto Acid Coenzymes."

Statistics, 4 p.m., Room 75 Willard. David Moore, Purdue University, on "Comments on the Use of Abuse of Chi-squares Tests of Fit From the Viewpoint of Statistical Theory."

Computation Center, 7:30 p.m. Keller. "PL/E (4)."

Funding opportunities

For further information, call 865-1372

(206-1) The Energy Research and Development Administration (EROA) plans to award roughly $150 million worth of FY 1976 on-campus research contracts. Those contracts are to include "areas beyond the technical aspects of new and improved energy sources." The expertise of **sociologists, economists, architects, psychologists, lawyers** and others is needed, and involvement of graduate assistants will be strongly emphasized. Interdisciplinary teams are encouraged, especially those involving social scientists working with natural scientists and engineers. (Ref. Chronicle 11/10/75).

(206-2) The Office of Education has issued proposed additional criteria for selection of applications under its programs of **Vocational Education Curriculum projects** and **Research Projects in Vocational Education** for FY 1976. The closing date for curriculum applications is Dec. 10, 1975, and for research applications, Jan. 9, 1976.

(206-3) Proposed funding criteria for **Graduate and Undergraduate International Studies Programs** have been issued by the Office of Education. Applications for initial grants must be submitted by Dec. 15, 1975.

(206-4) The Office of Education has issued proposed amended criteria for its **Library Research and Demonstration Projects** and has announced a Jan. 9, 1976, application-received date. Criteria for continuation of assistance regulations are included.

'Tis the Season

(Continued from page one)

Greeting cards ready

A limited number of official University greeting cards are available through the Department of Publications, Room 215 Wagner Bldg. They can be picked up or ordered by telephone (865-1327). Cost, including envelope, is 17 cents. The card features a full-color reproduction of a turn-of-the-century painting of a mother and child trimming a Christmas tree. It is available with or without the message: "Season's Greetings, The Pennsylvania State University."

News in brief

Karen Scott to sing

Soprano Karen Scott, assistant professor of music, will sing music by six composers in recital at 8:30 p.m. Monday, Dec. 8, in the Music Bldg. recital hall.

From Handel's "Joshua," one of his lesser known oratorios, Mrs. Scott will sing the aria "O had I Jubal's Lyre." Following the aria will be the simple, melodious "Ruhe, sanft," from Mozart's "Zaide."

Poulenc's "Metamorphoses," a setting of a poem by Louise de Lilmorin, is a virtuosic piece for singer and pianist. Accompanying Mrs. Scott in the recital will be Phillip Dettra, assistant professor of music. Completing the program will be Delio Joio's "Three Songs of Adieu," six songs by Schubert, and the farewell aria from Moore's "The Ballad of Baby Doe."

Mrs. Scott, who joined the University faculty in 1972, holds an undergraduate degree from Temple University and a master's from Juilliard School of Music.

New ag course open

Late registrations will be accepted for a new world affairs course, "Introduction to International Agriculture (INTAG) 100," which will focus on the world food crisis with emphasis on the socio-economic and technical constraints limiting food production. Global problems facing world agricultural production, population pressures and agricultural energy requirements will be stressed, and special consideration will be given to the problems of developing countries. The impact of food aid programs and the Green Revolution will also be discussed. The two-credit course will be taught by Dr. David R. MacKenzie, assistant professor of plant pathology, and there will be several internationally known guest lecturers at the Tuesday-Thursday fourth period sessions.

Newcomers compiling list

Members of the Faculty Women's Newcomers' Club are compiling a list of women who have come to University Park since Sept. 1. They would like to include all women of academic or professional rank and wives of newly arrived faculty and staff members. These women can then be invited to welcoming coffee-desserts in the new year. Anyone who can supply names and addresses of newcomers should send this information to Alice Fleischer, 626 Hubler Road, State College, or telephone 466-6644. Newcomers' Club would like to receive names year-round, but for the mid-winter dessert list, there is a Dec. 19 deadline.

Alard concert Dec. 10

Three works will be performed by the Alard String Duartet at 8:30 p.m. Wednesday, Dec. 10, in the Music Bldg. recital hall.

The program includes Mozart's "Duartet in D," k. 499, written in 1786 but almost free of the melancholy traces which pervade his work of that period; "String Quartet #3 (on Hebrew themes)" by Elie Siegmeister, which was first performed in 1973; and the last of Dvorak's eight string quartets, "Quartet in G," opus 106, written after the composer's return to Bohemia from America in 1895.

Duartet members, all associate professors of music, are Joanne Zagst and Donald Hopkins, violins; Raymond Page, viola; and Leonard Feldman, cello.

Obituary

Richard C. Maloney, former associate dean of the College of the Liberal Arts, died Nov. 13 at the age of 71 in Nantucket, Mass. Born in Chelsea, Mass., he was graduated from Dartmouth and received master's degrees from Dartmouth and Kansas State Colleges in English and fine arts, respectively. He was a high school teacher and principal before enlisting in the U.S. Naval Air Force in World War II. He became a Latin instructor at Kansas State and then served as registrar there, coming to Penn State in 1950 as an administrative assistant to President Milton S. Eisenhower. From 1953 to 1965, he was assistant and then associate dean in Liberal Arts and then served as an associate professor of social science and lecturer in history until his retirement in 1970.

Althouse lecture held

Dr. George E. Palade, 1974 Nobel Prize winner in physiology and medicine, delivered the second annual Paul M. Althouse Memorial Lecture at The Milton S. Hershey Medical Center Nov. 20. He spoke on "Biogenesis of Cellular Membranes."

The lectureship, established in February, 1974, honors Dr. Althouse, provost of the University at his death in 1972, and previously a professor of biochemistry, director of general education, and vice president for academic affairs. The series was made possible through contributions to the Althouse Memorial Fund and by a matching gift from the Althouse family.

Dr. Palade, who is professor and chairman of the section of cell biology at Yale University Medical School, was born and educated in Rumania. He came to the United States in 1946 as a visiting investigator at the Rockefeller Institute.

Phi Beta Kappa party

In observance of the 39th anniversary of its founding, Lambda Chapter of Phi Beta Kappa will hold a Sherry and Cider Party from 3 to 5 p.m., Sunday, Dec. 7, in the Fireside Room of the Nittany Lion Inn. A brief business meeting will precede the social hour. All members of Phi Beta Kappa and their spouses are invited to attend.

Social Security tax up

The take-home pay of faculty and staff members will be affected by the change in the Social Security law for 1976, the Controller's Office announces. As of Jan. 1, 1976, earnings up to $15,300 will be subject to Social Security withholding. This is a $1,200 increase from the current base of $14,100. The rate of contribution does remain at 5.85 percent. Employees who earn less than $14,100 will be unaffected by this change, but those with salaries above this amount will have an increase in withholding which will range up to a maximum of $70.20. The maximum Social Security tax an employee will pay in 1976 will be $895.05.

Swim meet Dec. 6

One of the most important meets in the East, the Penn State Swimming and Diving Relay Championships, will be held Saturday, Dec. 6, at the Natatorium. The meet will begin at 6:30 p.m. with both boards diving trials. Swimming relay trials are scheduled for 10 a.m., followed by high board diving trials at 10:30 a.m. Swimming and diving finals will take place at 3:30 p.m. Participating teams include Bloomsburg, Bucknell, Colgate, East Carolina, Edinboro, Johns Hopkins, Kent State, LaSalle, Maryland, Penn State, Pittsburgh, St. Lawrence, Syracuse, Virginia, Virginia Commonwealth and West Virginia. Admission is $1 for the trials and $1 for the finals.

Staff vacancies

Staff vacancies contained in this publication are those which generally require at least a baccalaureate degree or equivalent as a minimum education and qualification. Staff vacancies requiring less than a baccalaureate and those announced in INTERCOM may be found in the PENN STATE REPORTER.

This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1381 (Walkovits Line 475-1287). Applications for these staff vacancies will be accepted until 5 p.m. Thursday, Dec. 11. **Do not contact the area the has the vacancy.**

ASSISTANT FOOD SUPERVISOR, HOUSING AND FOOD SERVICE — Behrend Campus

Responsible for assisting in the management of the dining room's snack bar, and catering operation at Behrend Campus. Bachelor's degree or equivalent, plus 2 to 12 months directly related experience in food service.

SPECIALIST, CHILD DEVELOPMENT CENTER — Capitol Campus

Responsible for implementing the planned educational program of the Child Development School including instruction of children, acting as cooperating teacher, assisting in the training of students and teacher aides, supervising of teacher aides and maintaining records of pre-school children. Bachelor's degree or equivalent with eligibility for Pennsylvania Private School Certification, plus over 3 months up to and including 12 months of directly related experience.

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PENN STATE intercom

Volume 5, Number 13 December 11, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Committee set to sift names for Provost

Names of the members of the screening committee appointed to seek a new Provost were announced today by President Oswald. Provost Russell E. Larson announced last month his plans to retire Jan. 1, 1977.

The chairman of the committee is John J. Coyle, professor and head of business logistics and chairman-elect of the University Faculty Senate. Serving as vice chairman of the committee will be Stuart Forth, dean of University Libraries.

Five faculty members have been chosen from among a panel of recommendations submitted by the Senate's Committee on Committees and Rules. They are. Charles N Cofer, professor of psychology; Patricia Farrell, associate professor of recreation and parks; Donald R. Olson, professor and head of mechanical engineering; Sally S. Small, associate librarian at Berks Campus and currently Senate chairperson; and James Tammen, professor and head of plant pathology.

Four additional administrators who will serve are: James B. Bartoo, dean of the Graduate School; William J. Devid, director of the Hazleton Campus; Edward V. Ellis, associate dean, College of Humen Development; and Thomas Wartik, dean of the College of Science.

Three students who will serve are: Alexander W. Holt, president of the Graduate Student Association; Michael Ostroff, chairman of the Undergraduate Student Government Association's Academic Assembly; and Edward Riskosky, president of the Undergraduate Student Government Association at the New Kensington Campus and the representative to the University's Board of Trustees of the Council of Branch Campus Student Governments.

Ray T. Fortunato, assistant vice president for personnel administration, has been asked to provide assistence to the committee in its work.

According to President Oswald, who plans to meet with the committee in the near future, "One of the committee's first tasks is to make public the ways and means for members of the University community and others outside the University to recommend names of qualified individuals for consideration."

Lindsay to talk on African women

"The Role of Women in Modern African Society" is the theme of the first African Studies Forum of the winter term, to be held Wednesday, Dec. 17, at 7.30 p.m. in the Cultural Center, Walnut Building.

The panel discussion will be led by Dr. Beverly Lindsay, assistant professor of education in the Division of Education Policy Studies. Joining her in consideration of the subject will be four graduate students: Gladys A. Pratt, of Ghana, home economics education; Marie B. Treki, of Libya, food science; Edith O. Phillips, of Nigeria, business administration; and Christine Mokeke, of Cameroon, home economics education.

Dr. Lindsay has recently been engeged in research in Nairobi, Kenya, on socio-cultural factors influencing women's career choices, working under a Ford Foundation

(Continued on page three)

News in brief

HUB Candlelight Dinner Dec. 17

The HUB's annual Christmas Candlelight Dinner is scheduled for Wednesday, Dec. 17, from 5 to 7 p.m. in the Terrace Room. Menu highlights include stuffed chicken breasts, prime ribs of beef, sauteed crab and shrimp on toast, veal cordon b'eu and roast pork with raisin-cider sauce. Sauteed mushrooms, corn pudding and French green beans with almonds are the vegetable accompaniments, and there will be hot mince and pumpkin pie and cherry cheesecake. Entertainment will be provided by the Hi-Lo's and other singing groups.

The HUB food service will shut down for the holiday break after the evening meal, Friday, Dec. 19, and reopen Sunday, Jan. 4, at lunch.

Car pools organized

OTIS (Organization of Town Independent Students) is trying to organize car pools for State College residents. Drivers and riders interested in participating will find sign-up sheets located on the ground floor of the HUB on the bulletin board directly across from the ride board. OTIS has divided State College into more than 30 areas, so prospective riders and drivers can identify their areas on a posted map and then list their names, phone numbers, street addresses, areas and times of arrival on and departure from campus.

Professional women's get-together

The Faculty Women's Newcomers' Club is initiating a get-together for professional women. They are invited to gather in the Fireside Room of the Nittany Lion Inn Wednesday, Dec. 17, from 4.30 to 6.30 p.m. There will be a cash bar. For further information, celt Carol Leisenring at 865-4563

Children get Christmas party

The Community Awareness Program has scheduled its second annual Christmas party for children at 2 p.m. Sunday, Dec. 14, in the Cultural Center, Walnut Bldg. Students, faculty and staff are invited to bring their children to experience an international holday, complete with international food, music and culture. There is also a good chance that Santa will make a guest visit to liven things up. Children should be 12 years or younger.

Library instruction provided

Faculty members may errange for basic instruction in library use for their undergraduate classes by calling Marietta Plank at 863-0323. Librarians in the Reference Department will give library instruction to upper-division and graduate classes. Arrangements for this may be made by calling Jack Pontius at 865-6368.

Graebner to speak

Or. Norman A Graebner, distinguished visiting professor of history, will speak on "A Historical View of the Widening Two Cultures Gap" Tuesday, Dec. 16, at the Two Cultures Dialogue, to be held between noon end 2 p.m. in Room 189 Materials Research Laboratory. Dr. Graebner is Edward R. Stettinius professor of history at the University of Virginia. Or. Richerd G. Conningham, vice president for research end graduate studies, will respond. All faculty and administrative personnel ere welcome.

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Term system to be continued for five years, Oswald says

President Oswald told the University Faculty Senate on Tuesday of his intention to continue the present term system for a five-year period, beginning with the summer term of 1977 and extending to the fall of 1982.

He said such a calendar would include the following basic elements:

— A term system, as at present.

— The academic year opening with fall term registration and orientation prior to Labor Day, with the first day of classes the day after Labor Day.

— The fall term completed prior to Thanksgiving, with the winter term providing, as nearly as possible, three weeks of instruction prior to the holiday break.

— The spring term ending about the middle of May with commencement in the last week of May; and

— A six-day period scheduled for final examinations after each term, in accordance with the President's interpretation of the Senate's recent action requiring final examinations in essentially all courses.

President Oswald told the Senate of his plans to publish the new five-year calendar containing the basic elements listed about April 1, 1976, and said that il the Senate had any different interpretation of their policy regarding linel examinations, that the Senate should inform him of this no later than the March Senate meeting.

He further asked the Senate to provide him with advice concerning the length of the summer term beginning with the summer of 1976 — specifically, should there be a ten-week term as at present or should the University move to an eight-week term. He indicated to the Senate that this was a matter of concern also to student and administrative officials and, therefore, asked the Senate to take steps to involve opinion from those sources in the process of providing advice on this matter, also before the March, 1976, meeting of the Senate.

In making the calendar decision, President Oswald said he took into consideretion the many differing views on the calendar decision, including two contradictory reports of a University Calendar Commission that had studied the matter for two years.

He said there seemed to be no consensus among the faculty on the semester-term issue, but students have overwhelmingly stated preference for the term system.

He added that there seems to be no conclusive evidence of over-all educational advantage to either system and thet a financial onelysis seemed to indicate little cost difference.

He further noted that there was consensus that the calendar should begin about Sept. 1 and finish by June. To schedule a term system within this time period, the winter term has to be split by the Christmas break. The President reported further consensus, however, that the longer the instruction period in the winter term before the break, the less the objection to the split.

Winter enrollment gains

Winter term enrollment at the University at the close of registration last week totalled 46,375, a gain of 2,048 over the 44,327 registered at the close of format registration a year ago. Figures for the Hershey Medical Center and Capitol Campus are not available and therefore not included

The total at University Park for the current term is 29,694, a gain of 315, while at the Commonwealth Campuses the total is 15,021, a gain of 1,660. The enrollment at Behrend College is 1,458 and at King of Prussia Graduate Center, 202.

The preliminary figures indicate 35,595 baccalaureate degree students; 3,545 associate degree students; 4,689 graduate students; and 2,546 adjunct students.

Tenure, promotion group appointed

Five members of the faculty and administration have been appointed by President Oswald to the University Promotion and Tenure Review Committee, to which the University Faculty Senate has already elected six members.

Representing the Evan Pugh Professors is Dr. Richard R. Nelson (plant pathology). M. Ellis Grove, associate professor of general education in the arts, will represent the winners of the Lindback teaching awards.

As the senior academic administrators on the committee, Dr. Oswald chose Dr. James B. Bartoo, dean of the Graduate School, Dr. Richard G. Cunningham, vice president for research and graduate studies, and Or. Robert E Dunham, vice president for undergraduate studies.

Elected by the Senate to two-year terms are Dr. Ernest L. Bergman, professor of plant nutrition, Dr. Merjorie East, professor and head of home economics education, and Dr. Roger B. Saylor, professor of economics and statistics (Capitol). Dr. Paul Axt, professor of mathematics, Dr. Vladimir deLissovoy, professor of child development and family relationships, and Arthur J. Mans-cano, assistant professor of engineering (Schuylkill) will serve one-year terms.

According to the guidelines for the implementation of the University Promotion and Tenure Policy, the committee is responsible for reviewing recommendations for academic tenure and for promotions to positions of associate professor and professor. It will receive these recom-

(Continued on page four)

New plan devised to allot dorm rooms

A new procedure for assigning students to University Park residence halls, giving all categories of student applicants equal opportunity for the spaces available, has been announced, the plan to be effective next fall.

Ralph E. Ziliy, vice-president for business, end Or. Raymond O. Murphy, vice-president for student affairs, also outlined a plan to increase residence hall capacity by 1,000 spaces, the increase to be accomplished by converting certain residence hall areas into student living facilities and by assigning three students to the larger double rooms and two students to the

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PENN STATE COLLECTION

Faculty notes

Dr. G. P. Patil, professor of mathematical statistics, will receive the Doctor of Science degree from the Indian Statistical Institute (ISI) in Calcutta, India, Dec. 30. The degree, which has no American equivalent, is awarded only to mature scholars who have made outstanding contributions to their fields. Evaluation is conducted by a distinguished international panel of statisticians nominated by the Institute, which collers instruction exclusively in statistics and statistics-related fields. Dr. Patil is the first scholar to receive the Doctor of Science degree from ISI, which was founded in 1931. He received the associate degree from the Institute in 1957, the M.Sc. degree from the University of Poona in 1955, and the M.S. and Ph.D. degrees in 1959 from the University of Michigan. The author of over 75 major research publications, he is also the author or editor of two books and three three-volume series on statistical topics. A specialist in statistical distribution theory and ecological statistics, he is chairman and founder of the International Statistical Ecology Program, an international organization devoted to furthering the application of statistics to ecological problems. He is also a fellow of the American Statistical Association, the American Association for the Advancement of Science, and the Institute of Mathematical Statistics. He is an elected member of the International Statistical Institute.

Dr. John L. Lumley, Evan Pugh Professor of Aerospace Engineering, spoke on "Drag Reduction in Turbulent Flow of Dilute Polymer Solutions" to the Applied Mechanics Colloquium at Harvard University last week.

"World Authors 1950-1970," edited by John Wakemen and Stanley Kunitz, includes an article on **Paul West,** professor of English. Published by Wilson Co., New York, the book is the companion volume to "Twentieth Century Authors." Winner of the "Paris Review's" Aga Khen Prize for Fiction last year, Mr. West has a new work, "The Universe and Other Fictions," part of which appears in the just published "The New Directions International Anthology of Prose and Poetry." In September, at the invitation of NASA, he attended the lift-off of Viking II to Mars from the Kennedy Space Center and is now working on a book about the event.

Dr. Daniel Y. C. Fung, assistant professor of microbiology, was invited to present a paper on miniaturized microbiology techniques at the Second International Symposium on Rapid Methods and Automation in Microbiology to be held at Cambridge University, England, Sept. 19-25, 1976. Dr. Fung was also a keynote speaker at the first symposium held in Stockholm in 1973, as well as at a similar symposium in Kiel, Germany, in 1974. He is the author of numerous papers dealing with this topic and wrote a chepter in the book, "New Approaches in the Identification of Microorganisms," published by John Wiley and Sons last year.

Dr. Philip S. Klein, professor emeritus of American history, received one of 48 Certificates of Commendation voted by the American Association for State and Local History to recognize state and local history projects, agencies and individuals showing superior achievement and quality. Dr. Klein was cited, along with Dr. Arl Hoogenboom, a former member of the history department, for their book, "The History of Pennsylvania."

Three assistant professors from the Department of Religious Studies presented papers at the annual meeting of the American Academy of Religion in Chicago. They were: **Dr. Robert L. Cohn** on "The Sacred Mountain in Biblical and Early Jewish Literature," **Dr. Denise Carmody** on "The Home Taam" (theology and religious studies), and **Dr. John Carmody** on "Lonergan's Trinitarian Insight" (philosophical theology). In addition, a doctoral candidate in the department, Susan Sette, spoke on "Danial of the Woman, Affirmation of the Feminine: The Mother-Father God of Mary Baker Eddy."

Dr. Henry R. Allcock, professor of chemistry, presented a lecture at the University of Wisconsin last week. His topic wes "Phosphazene High Polymers."

Not a bet or a balloon but a crowded schedule of lectures, colloquia and conferences will soon draw **Dr. Edward G. Coffmen,** professor of computer science, around the world in just under 80 days.

Beginning this month, Dr. Coffman will present colloquia focusing on his current research in deterministic sequencing and eltocation theory at the University of California, Santa Berbara, the University of Southern California, the University of California, Los Angeles, and the IBM Research Center, San Jose.

The University of Hawaii will be his next stop on Jan. 6-8 where he will present a paper and organize a session at the annual international Hawaiian Conference on System Sciences. The Universities of Kyoto and Dsake in Japan will host Dr. Coffman on Jan. 12-13 for another series of colloquie and lectures. January 15-16 will find Dr. Coffman in Sibaria at the Computer Science institute et Novosibirsk, U.S.S.R. he will present a series of lectures at the Technion (The Israel Instituta of Technology) in Haifa, Jen. 19-23. The Computer and Automation Institute of the Hungarian Academy of Sciences, Budapest, will have him as en invited lecturer at their winter school, Jan. 26-29. A colloquium at the Mathematisch Centrum, Amsterdem, The Netherlands, will follow on Jan. 30, and on Feb. 4, Dr. Coffman will return to the U.S. to presant e paper at the Scheduling Theory Conference of the Operations Research Society of America in Orlando, Florida.

In addition to discussing his current research, Dr. Coffman will also present topics from his new book, "Computer and Job-Shop Scheduling Theory," which was published last month by John Wiley and Sons. He is editor and co-author of the book with two other Penn State faculty members, Dr. John L. Bruno, associate professor of computer science, and Dr. Ravi Sethi, assistant professor of computer science.

Dr. Coffman's world tour is being supported by the host institutions and by the National Science Foundation.

Dr. Randall S. Stout, professor of economics, presented a paper at a panel session of the Annual Conference of the National Tax Associaltton in Houston last month. The paper, "Ethics in Public Finance: The Excess Burden on Resources and Pertormance," analyzed New York State Authority financing.

Dr. Roger M. Hermen, professor of physics, has been appointed to a post on the National Science Foundation (NSF) Pre-College Curriculum Review Panel. The panel provides advice and evaluation to NSF on its programs at the pre-college level. Dr. Herman will focus on assessing the technical accuracy of program content. A member of the faculty since 1964, Dr. Harman is also a member of the American Physical Society Education Committee.

Dr. James F. Repella, associate professor of nursing, has been named acting head of the Department of Nursing. A member of the faculty since 1974, he took his initial nurse training at Philadelphia's Pennsylvania Hospital, School of Nursing for Men, in 1954, and earned a B.S. in education from Temple University in 1960. He was granted an M.S in nursing from tha University of Pennsylvania in 1965 and in 1971 received a Ph.D. in higher education administration from the University of Pittsburgh.

Dr. Repella's nursing and supervisory experience was gained with the U.S. Army, the Institute of the Pannsylvenia Hospital, the Philadelphia State Hospital and Warnersville State Hospital. Prior to joining Penn Stata, he was assistant administrator in cherge of the Department of Nursing at the South Side Hospital, Pittsburgh. He succeeds Dr. Lauria M. Gunter who has returned to full-time taaching and scholarly activities.

Dr. Terence M. Joys, associate professor of microbiology, presented an invited talk on "Specificity of antifagellar antibodias" to the Department of Microbiology at Texas Tech School of Medicine in Lubbock, Texas.

Dorothy V. Harris, professor of physical education, has been appointed to the Board of Overseers of Harvard College. She is serving as a member of the Athletic Committee chaired by Dr. Francis Keppel, former U.S. Commissioner of Education. At the board's November meeting, plans were discussed concerning fund raising and construction of an $18 million athletic complex for Harvard. Only two other women are serving on the Athletic Committee: Tenely E. Albright, a physician and former Olympic gold medalist in figure skating, and Alice E. Emerson, president of Wheaton College.

Dr. John C. Snowdon, professor of engineering research at the Applied Research Laboratory, has been nominated to stand for election as president-elect of the Acoustical Society of Amarica. Dr. Snowdon, who has served for the past nine years as an associate editor of the "Journal of the Acoustical Society of America," recently completed a three-year term on the group's six-member executive council. He is the author of a graduate level textbook and numerous research publications on the reduction of structural vibration.

Dr. Henry D. Gerhold, professor of forest genetics, was one of the organizers of a symposium on "Bettar Traes for Metropolitan Landscapes" held at the U.S. National Arboretum last month in Washington, D.C. More than 200 participants from 23 states and abroad attended. Dr. Gerhold also delivarad a talk, "Selection Practices of Municipal Arborists." Other Penn State speakers were **Dr. Donald D. Devis,** assistant professor of plant pathology, on "Selection of Trees for Tolerance of Air Pollutants"; **Dr. Gerhard Reethof,** director of the Noise Control Laboratory, on "Trees and Forests for Noise Abatement and Visual Screening"; and **Kim C. Steiner,** assistant professor of forest resurcas, on "Tasting and Evaluating New Traas for Metropolitan Landscapes."

Dr. Paul B. Baltes, director of the Division of individual and Family Studies, has received the 1975 R. B. Cattell Award of the Society for Multivariate Experimental Psychology. The award is given for distinguished contributions to behavioral research and theory conducted within the framework of multivariate design. A member of the faculty since 1972, Dr. Baltes' research interests are in life-span human development, aging and davalopment methodology.

Dr. Marshall H. Kaplan, associate professor of aerospace engineering, conducted a one-week short course Nov. 24-28 on "Modern Spacecraft Dynamics and Control" at the Europaan Space Research and Technology Center, Noordwijk, Holland.

Appointments

Frederick J. Van Antwerp has been appointed assistant librarian in the Reference Department of the University Libraries. He holds the master of library science degree from Western Michigan University and is a graduate of Grand Valley State College, Allendale, Mich. He has served in various departments of the library at Western Michigan University.

Richard H. Fulmer, a supervisor with the counseling department at the State Correctional Institution at Graterford, has been named an assistant professor of criminal justice at the Berks Campus. A graduate of Bloomsburg State College, he received a master's degree in social work at the University of Pennsylvania. He has been teaching part-time in the law enforcement program at Berks since 1974.

Two faculty members have been promotad from the rank of instructor to assistant professor effective Nov. 1. **Dr. Ernest H. Braua Jr.** assumed that rank in chemistry at Penn State originally appointed to tha faculty Sept. 1, 1974. He holds a B.S. from Valparaiso University and a Ph.D. in physical-organic chamistry from tha University of Virginia. His research interests hava centered around investigations of homogeneous reactions in organic fused salts. **Dr. Arnold F. Shapiro,** who is now teaching business administration at University Park, came to the campus in 1973. He has a B.S. from the University of Manitoba, and his M.A and Ph.D. were conferred by the University of Pennsylvania. He is specializing in actuarial science.

Retirement

Evelyn C. Marboe took early retirement Nov. 1 as associate professor of mineral sciences after 33 years on the faculty. Mrs. Merboe earnad her B.S. at Wayne State University in 1941 and then came to Penn State to work on a master's degree in chemistry, which she received in 1943. In 1944, she became a research associate in the School of Mineral Industries. Her research interests have included chemistry and solid state science, with emphasis on the structure, properties and surface reactions of solids and the high-temperature behavior of oxides and glasses. Mrs. Merboe holds two patents, one of them with the late Dr. W. A. Weyl, who was en Evan Pugh Rasaarch Professor of Physical Sciences. With Dr. Weyl, sha wrote a three-voluma work, "The Constitution of Glasses: A Dynamic Interpretation," and she has authored or co-authored some 40 scientific papers.

Long active in community affairs, she received the 1971 Benajmin Rush Award of the Centre County Medical Society, which honors a non-medical individual's contributions to health and welfara in the county. Currently, she is president of the Family Planning Council of Central Pennsylvania, Inc., which she helpad found, and chairman of the public health services committee of the Pennsylvania Association for Retarded Citizens, Inc.

Obituaries

A memorial servica for Dr. Dorothy Houghton, dean emerita of the College of Human Davelopment who diad Dec. 1 in Tarrytown, N.Y., will ba held Friday, Dec. 12, at 2 p.m. in the Helen Eaklin Eisenhowar Chapel. Dr. Luthar Harshbarger, professor of humanities and religion, will participate in the service, which has been arranged by the Collega and friends of Dr. Houghton.

Dr. Houghton came to Penn State in 1952 as assistant dean for resident instruction, became associate dean in 1960 and for the test year befora her retirement in 1966 was acting dean. Born March 31, 1901, in Elizabeth, N.J., she received her B.A. in chemistry and geology from Barnard Collega and her M.S. and Ph.D. from Columbia University. She taught chemistry as an instructor at the Packer Collegiate Institute and as a professor at Columbia's Teachers Collega. During her first nine years at Penn State, Dr. Houghton was head of the Division of Home-Community Relationships and chairman of the option in General Family Studies. She was a member of the University Senate for many years.

Dr. George McClelland Lott, e psychiatrist with the Ritenour Health Service from 1947 to 1962, died Nov. 29 at the age of 78. During his tenure at Ritenour, the mental hygiene clinic was developed and facilities for handling psychological problems of students were expanded. Dr. Lott was also a member of the Department of Psychology. A graduata of the University of Michigan, he received his MD degrea from the University of Colorado. Prior to his appointment at the University, he was director of the mental hygiene division of the Suffolk County, N.Y., Department of Health. He had done research on the training of exceptional children and was the author of a book, "The Story of Human Emotions."

Col. Donald G. White diad Nov. 30 in State Collega at the age of 77. An officer in the Army Corps of Engineers from 1920 until his retirament in 1948, he was assignad to duty with the Reserve Officers' Training Corps at the University from 1950 to 1932. A graduata of the U.S. Military Academy at West Point, he also racelved a civil engineering degree from Rensselaer Polytechnic Institute.

University Park Calendar

December 11 - 20

Items to be included in this calender should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, Dec. 11

International Crafts Workshop, 11 a.m., HUB main lounge.

Commons Videotape, 12 noon, Kern lobby.

International folk dancing performance, 12 noon, Kern lobby.

Christmas Tea, sponsored by the Community Hospitality Council, 2-4:30 p.m., Room 111 Kern.

Art Constantino on "Social Games at Penn State," 7:30 p.m., Thompson lounge. Sponsored by West Halls Residential Life Staff.

Panel discussion, "Implications of Triage on World Hunger," 7:30 p.m., Room 101 Kern.

"Europe '75," slide show prepared by students in Architecture Study Abroad Program, 8 p.m., HUB main lounge.

Dr. Jack Wasserman, Tyler School of Art, on "The Monster Leonardo Painted for His Father," 8 p.m., HUB assembly room.

Friday, Dec. 12

International Crafts Demonstration, 11 e.m., HUB main lounge.

Noontime Concert of traditional American Christmas music, 12.15 p.m., Kern lobby.

Memorial service for Dr. Dorothy Houghton, dean emerita of the College of Human Development, 2 p.m., Eisenhower Chapel.

Free U Sock Hop, 7 p.m., HUB ballroom.

International Coffeehouse and fashion show, 8 p.m., Room 102 Kern.

Saturday, Dec. 13

Madrigal Dinner and Concert, 6:30 p.m., Room 102 Kern.

International dance party, 7:30 p.m., 4th floor, multi-purpose room, HUB.

Hillel Foundation film, "Exodus," 7:30 and 9:30 p.m., HUB assembly room

Yuletide music: Christmas in the Colonies, Penn State Glee Club and Penn State Brass Chorale, 8:30 p.m., Schwab.

Sunday, Dec. 14

Chapel Service, 11 a.m., Music Bldg. recital hall, "The Christmas Story: An Early American Setting," All Faith Chapel Choir, Tommie Irwin, director.

Black Christian Fellowship worship service, 11 a.m., Cultural Center, Walnut Bldg.

International Children's Christmas party, 2 p.m., Cultural Center, Walnut Bldg. Sponsored by Community Awareness.

Graduate Women in Science lecture, 2 p.m., Room 112 Kern.

Yuletide music: Christmas in the Colonies, Penn State Glee Club and Penn State Brass Chorale, 3:30 p.m., Schwab.

Madrigal Dinner and Concert, 6:30 p.m., Room 102 Kern.

International Dance, 7 p.m., HUB ballroom.

Hillel Foundation film, "Exodus," 7:30 and 9:30 p.m., HUB assembly room.

Monday, Dec. 15

Color Slide Club Christmas party, 7:30 p.m., Room 112 Kern.

Laura Sardines, violin, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Dec. 16

Two Cultures Dialogue, noon, Room 189 Materials Research Lab. Visiting professor Norman A. Graebner on "Historical View of the Two Cultures Gap."

Artists Series Film Festival, "Le Streda," 7 and 9 p.m., Schwab.

Sports: Men's basketball, vs. Kent State, 8 p.m., Rec Hall.

Wednesday, Dec. 17

"Noondays" in Advent, the story of the birth of Jesus as recorded in "The Gospel according to Matthew," 12 noon, large chapel, Eisenhower Chapel.

African Studies Forum, Dr. Beverly Lindsay, education, on "Role of Women in Modern African Society," 7:30 p.m., Cultural Center, Walnut Bldg.

Composers' Concert, 8:30 p.m., Music Bldg. recital hall.

Thursday, Dec. 18

Commons Videotape, 12 noon, Kern lobby.

Seminars

Thursday, Dec. 11

Ceramic Science, 11 a.m., Room 301 Mineral Industries. Professor Sid Butler, Materials Research Center, on "Studies of Impurity Incorporation and Charge Trapping in SiO_2 Thin Films."

Chemistry, 12:45 p.m., Room 333 Whitmore. Dennis C. Johnson, Iowa State University, on "Applications of Electronenalysis to Liquid Chromatography."

Anthropology, 3:30 p.m., Room 112 Kern. Dr. Lionel Tiger, Rutgers University, on "Social Bonds and Utopia: Three Generations of Kibbutz Life."

Microbiology and Cell Biology, 3:55 p.m., Room 32 Frear. A. L. Phillips on "Structural Studies and Biosynthesis of Keto Acid Coenzymes."

Philosophy, 4 p.m., Room 303 Willard. Thomas Seebohm and Joseph Flay will discuss "G. W. F. Hegel" by Stanley Rosen.

Statistics, 4 p.m., Room 75 Willard. David Moore, Purdue University, on "Comments on the Use of Abuse of Chi-squares Tests of Fit from the Viewpoint of Statistical Theory."

Computation Center, 7:30 p.m., Room 108 Forum. "RJE (4)."

Joint Chemistry and Physics Colloquim, 3:50 p.m., Room 117 Dsmond. Professor John McTague, physics, Brookhaven National Lab., on "Neutron Scattering of Structure and Dynemics of Adsorbed Layers."

Meteorology, 4 p.m., Room 26 Mineral Sciences. Yaacov Mamane, graduate student, on "Aerosol Measurements of Tuscon, Arizona — Aircraft Lidar Comparisons."

Monday, Dec. 15

Genetics, 3:55 p.m., Room 111 Tyson. Mike Capage on "Fusion of Isolated Plant Protoplests."

Biochemistry and Biophysics, 4 p.m., Room 101 Althouse. James A. Lake, cell biology, New York University Medical Center, on "Ribosome Structure: Localization of Individual Proteins by Electron Microscopy of Antibody-Labelled Subunits."

Computation Center, 7:30 p.m., Room 108 Forum, "RJE (5)."

Tuesday, Dec. 16

Plant Pathology, 9.45 a.m., Room 213 Buckhout Dr. C. H. Kingsolver on "Epidemiology of Rust."

History, 1:45 p.m., Room 225 HUB. Dr. Kent Forster on "Finland, World War II and Microrevisionism."

Water Pollution Control, 2:20 p.m., Room 101 Chambers. "Planning for Waste Disposal Systems."

Physics, 3:50 p.m., Room 117 Osmond. William E. Baylis, University of Windsor, on "Franck-Condon Approach to Pressure Broadening of Spectral Lines."

Astronomy, 4 p.m., Room 445 Davey. Robert T. Zinn, Hale Observetories and California Institute of Technology, on "Cepheid Variables in Dwerf Spheroidal Galaxies."

Comp Lit luncheon, noon, Presidential Room, Hotel State College. Ben H. Bagdikian, journalist and media critic.

Thursday, Dec. 18

Chemistry, 12:45 p.m., Room 333 Whitmore. Robln M. Hochstrasser, University of Pennsylvania, on "Studies of Fast Chemical Processes with Picosecond Lasers."

Computation Center, 7:30 p.m., Room 108 Forum. "RJE (6)."

Exhibits

Museum of Art: Works on Paper from the Permanent Collection. Architectural and Ornamental Drawings: Juverra, the Bibiena Family, and Other Italian Draughtsmen. (The Museum is closed from Dec 22-Jan. 1.)

Zoller Gallery: Annual Art Student Show, through Dec. 13. Art Faculty Holiday Show and Sale, Dec. 14-19.

HUB Gallery: Norweglan Viking Art (Norwegian Information Service), through Dec. 19.

Kern Gallery: International Holiday Festival Exhibits, through Dec. 14

Chambers Gallery: Faculty-Teaching Art Exhibit, through Dec. 19

Cultural Center, Walnut Bldg.: Display of International Dolls, through Dec. 14.

Pattee Library: Main Lobby — Gem Cutting by Dr. Dean Smith. Lending Service Lobby — The Christmas Tree Exhibit, prints from the Rare Books Collection, through Jan. 7. East Corridor Lobby — Batik Paintings, Sharon Sell. Drawings and Photogrephs, Maureen and Gary Nell.

Films

Wednesday, Dec. 17

GSA Commonsplace Theatre, "White Heat," 7:30 and 9:30 p.m., Room 112 Kern.

Wednesday and Thursday, Dec. 17-18

"Casebtanca," 7.30 and 9.30 p.m, Findlay Rec Room.

Lecture

Monday, Dec. 15

Ben H. Bagdikian, journalist and media critic, on "Press and Society after Watergate," 8 p.m., HUB ballroom. Sponsored by the School of Journalism, Institute for the Arts and Humanistic Studies.

Meetings

Thursday, Dec. 11

College of Business Administration faculty, 1:30 p.m., Room 201 Business Adm.

Tuesday, Dec. 16

College of Liberal Arts faculty, 3:45 p.m., Room 121 Sparks.

University Schedule

Monday, Dec. 15

Late registration deadline.

Add deadline.

Saturday, Dec. 20

Christmas-New Year's recess begins 12.25 p.m.

News briefs

(Continued from page one)

Glee Club offers Christmas music

The annual family concert of Yuletide music by the Penn State Glee Club and Penn State Brass Chorale will this year feature "Christmas in the Colonies" at 8:30 p.m. Saturday, Dec. 13, and 3:30 p.m. Sunday, Dec. 14, in Schwab Auditorium.

The opening portion of the program will consist of music from the time of the Revolution, native Christmas songs written in the nation's early years by American composers including Billings, Belcher and Flagg.

Newly resurrected and largely unfamiliar to audiences, the songs have listening appeal beyond their historical significance, according to Bruce Trinkley, assistent professor of music and Glee Club director. James Benshoof, also an assistant professor of music, conducts the Brass Chorale.

Did English carols sung in the American colonies during holiday celebretions will be performed in the finel helf of the concert. Now part of America's Christmes tradition, these include "God Rest Ye Merry, Gentlemen," "The Coventry Carol," "Good King Wencesles" and "The First Noel." Also planned is a special performance of "The Wesseil Song" by the Hi-Lo's, 12 selected Glee Club membars.

Overtlow audiences in the Music Bldg. recitel hell ceused the annual concert to be moved this year to Schweb. Although the two concerts will feature the same program, Sunday's concert is planned for the convenience of family ettendance. No tickets are required for admission.

Leonardo subject of talk

Dr. Jack Wasserman, dean of the Tyler School of Art at Temple University, will present a public lecture at 8 p m. Thursday, Dec. 11, in the HUB euditorlum. Sponsored by the Department of Art History, Dr. Wasserman will speak on "The Monster Leonardo Painted for his Father." Former department chairman and professor of art history at the University of Wisconsin, he holds bachelor's, master's, and doctoral degrees from New York University and taught previously at the University of Connecticut. Dr. Wesserman has written many articles, most recently reviewing Pedretti, and is the author of "Ottaviano Mescarino."

New music concert

A concert of new music by graduate and undergreduate student composers in the Department of Music will be presented et 8:30 p.m. Wednesday, Dec. 17, in the Music Bldg. recital hall at the University. Among the lerge veriety of musical forms to be heard at the concert will be pieces for chamber orchestra, to be performed by Musica da Camera, and string quertets and piano pieces.

Golf shop open

The Golf Shop will be open for Christmes sales Dec. 17-24 from 11:30 e.m. to 1:30 p.m., except on Sunday.

Racquetball registration

Entries will be teken for Racquetball Singles in the new Intramural Bldg. from Monday, Dec. 15, until 4:30 p.m. Thursdey, Dec. 18. Mele steff and faculty may play in the Greduete Division of Intramurals for this tournament. Play will begin Jan. 5.

Women's role

(Continued from page one)

grant. Among her other interests are contemporery educational philosophies and policies, the higher educational structure in Kenya, Zambia and Tanzania and black-American higher educational policies. She hes a D.Ed. from the University of Massachusetts.

The African Studies Forum is designed to bring together students, faculty and townspeople who are interested in developments on the Africen continent. Two discussion sessions are held each term, featuring speakers who have done research in Africa. It is hoped that the Forum will result in greater interaction between interested persons at the University and in the local community, according to Dr. Cyril E. Griffith, director of the Black Studies Program.

Dr. Griffith would like individuals who have conducted research in Africe and may be available as speakers for future Forum programs to contect his office, Room 117 Old Main.

Order today

Pennsylvania 1776 . . .

official Bicentennial Book of The Pennsylvania State University, to be published Dec. 16, 1975, Pennsylvania State University Press, 380 pages, 8½ x 11 inches, 522 illustrations (42 in color). Price, $12.50, with special price of $10 to Penn State students, faculty, staff, and alumni (plus 75c per copy for postage and handling, if shipped). A cross-section of Pennsylvania at the time of the Declaration of Independence, prepared by 81 faculty members. Robert Secor, general editor; John M. Pickering, associate editor; Irwin Richman, picture editor.

Pennsylvania State University Press
215 Wagner Bldg., University Park, Pa. 16802
Please mail me . . . . . copies, PENNSYLVANIA 1776, et $12.50 each ($10 for Penn State students, faculty, staff, elumni) plus 75c per copy for poslage and handling. Check for $. . . . . Is enclosed.
Name . . . . . .
Address . . . . . .

PSU Bookstore's tradebook department tops in town

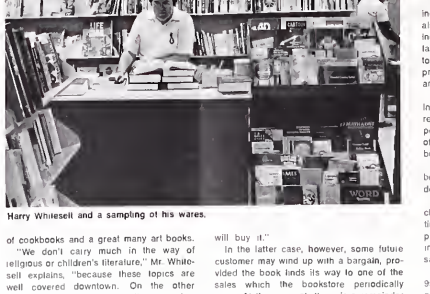
Among book salesmen, State College has always had a reputation as a "non-book town," and the casually record among local book shops gives point to the claim.

But discouraged browsers, bargain hunters and those in search of hard-to-find volumes or just plain gifts may be neglecting the store which now sports the best tradebook collection in town. It's the Penn State Bookstore in the basement of McAllister Bldg.

The trade division got started about two-and-a-half years ago, partly out of idealism (to expose students to non-required books) and partly for commercial reasons (the mark-up on textbooks is only 20 percent; on tradebooks, it can go up to 40 percent). No matter. Despite a fluorescent light-metal shelves ambiance and lack of space — half of the store is devoted to textbooks — there is a surprising variety of materials.

According to tradebook specialist Harry Whitesell (whom many will remember as the owner of the now defunct Pennsylvania Book Shop), the biggest problem is getting word out of the store's existence. "I've even had people phone and ask if it was alright to come in because they weren't students," he says.

Among the categories in which the store is well stocked are science (the biggest selection in town), sociology, political science, hardcover and paperback fiction, biography, history, film and photography. There are six shelves of crafts books, eight



Harry Whitesell and a sampling of his wares.

of cookbooks and a great many art books.

"We don't carry much in the way of religious or children's literature," Mr. Whitesell explains, "because these topics are well covered downtown. On the other hand, we have been expanding our photography and film sections a great deal recently, particularly the big picture books.

"Some of these books, along with the more expensive ones in the field of art history, create problems. If you put a $50 book behind glass, no one can look at it, but if you leave it out to be examined, the covers may get torn and then no one will buy it."

In the latter case, however, some future customer may wind up with a bargain, provided the book finds its way to one of the sales which the bookstore periodically runs. At the moment, there is a remainder sale in progress, timed for the Christmas trade and including a number of gift books, the so-called "coffee table" items.

Remainder sales have become so popular with booksellers that even here prices are beginning to rise because of the competition in bidding for rights to books. "But there are still some very good buys available when publishers unload their unsold books," Mr. Whitesell says. "Often you can pick up a valuable book for half its original cost.

"In our remainder sales, we frequently include reprints of expensive books, which also sell for a fraction of the original printing. These volumes, which are usually large in size, cover every topic from trains to movies to cookbooks. They're often printed in Europe using cheaper bindings and paper, but they're still a good value."

Sometimes the bookstore runs a sliding scale sale as it did last summer to reduce its own inventory. Buyers got 10 percent off their first purchase, 20 percent off for two books and so on up to five books and a 50 percent discount.

The bookstore will also "special order" books which it does not have on hand, a delivery time is usually about three weeks.

"I try to be very general in my purchasing," Mr. Whitesell says, "but every time a salesman comes in, it's a little like playing Russian roulette. If publishers were infallible, there wouldn't be any remainder sales."

At the moment, students represent about 95 percent of the store's business, and non-students are advised that the beginning of each term with its attendant textbook rush is not a very good time for leisurely browsing.

After that, visitors to McAllister will see the tradebook department on their left as they enter, and the store is open Monday through Fridays, except for official University holidays, from 8:30 a.m. to 5 p.m.

Staff vacancies

Staff vacancies contained in this publication are those which generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than a baccalaureate and those announced in INTERCOM may be found in the PENN STATE REPORTER.

This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (Network Line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m. Thursday, Dec. 18, 1975. **Do not contact the area that has the vacancy.**

ADMINISTRATIVE ASSISTANT, COLLEGE OF EARTH AND MINERAL SCIENCES — University Park

Responsible to Assistant Dean for Research for efficient office management, including handling administrative matters, preparation and review of research proposals, supervision of clerical support and acting for Director on designated matters. Bachelor's degree or equivalent in finance, business administration or a related business field plus one to two years directly related experience. University contract and accounting experience desired.

MANAGER, AMBULATORY SERVICES — Hershey Medical Center

Responsible to Assistant Hospital Director for the administration and coordination of the Outpatient Department, the Emergency Care Unit and the Ambulant Care Unit. Bachelor's degree or equivalent, plus three to four years directly related experience.

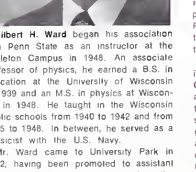
Funding opportunities

(207-2) The Office of Education has announced a Jan. 13 closing date for **Regional Education Programs for Handicapped Persons** (CFDA 13.569) and a Jan. 15 closing date for **Specific Learning Disabilities Program** (CFDA 13.529) (Ref. 40FR54600-01, 12/16/75).

(207-3) NSF has issued "final guidelines" for its **CAUSE Program (Comprehensive Assistance to Undergraduate Science Education)** (Oct. 2 INTERCOM #159-2). Primary objectives are to: strengthen the undergraduate science education components of two- and four-year colleges and universities; improve quality of undergraduate science instruction; and increase institutional capability for self-assessment, management and evaluation of science programs. During FY1976, only one proposal may be submitted by an institution, but each institution may also participate in one additional proposal as a member of a consortium. (Up to three years of support may be requested.) The proposal closing date for this competition is Feb. 16, and an "intent-to-submit card" is requested as soon as possible. (Ref. ETA-47)

(207-4) The Office of Education has proposed criteria for the awarding of grants and contracts for its **Consumer Education Program**. Grant priorities include: model community-school projects, short term pre-service and in-service training for teachers and others, and development of programs, curricula, or materials to provide education to people with special needs. Contract priorities include, distribution of material and establishment of reserve centers. Grant and contract proposal deadlines will be announced. Application forms and procedure will be the same as for the OE Metric Education program (INTERCOM 200-3, 10/30/75). (Ref. 40FR54605-11, 11/26/75) (CFDA 13.564).

Two receive 25-year awards



Raymond V. Ulinski, instructor in physical education and athletic trainer, received his baccalaureate degree in physical education from Penn State in 1950 and started work at once as a swimming instructor and freshman football trainer. His education had been interrupted by World War II, during which he served four years in the military police platoon of the 69th division in Germany.

Mr. Ulinski played football and baseball for the Lions in the mid-forties. When the late Bob Higgins was holding down the fort as head football coach at Penn State, Mr. Ulinski played under him as a single wing blocking back for the 1947 Cotton Bowl team which tied Southern Methodist 13-13. He had a brief try-out with the Pittsburgh Steelers and has two brothers, Harry and Ed, who are retired NFL players.

A certified member of the National and Eastern Athletic Trainer's Association, Mr. Ulinski is presently serving as full-time trainer for soccer, indoor track and lacrosse teams at Penn State.

Gilbert H. Ward began his association with Penn State as an instructor at the Hazleton Campus in 1948. An associate professor of physics, he earned a B.S. in education at the University of Wisconsin in 1939 and an M.S. in physics at Wisconsin in 1948. He taught in the Wisconsin public schools from 1940 to 1942 and from 1945 to 1948. In between, he served as a physicist with the U.S. Navy.

Mr. Ward came to University Park in 1962, having been promoted to assistant professor at Hazleton in 1951 and to the rank of associate in 1957. He was awarded a National Science Foundation Faculty Fellowship in 1959-60 and studied and taught at Cornell University's Physics Department. Since 1962, he has served as Physics Department coordinator for Commonwealth Campuses. His principal interest has been the teaching of lower-level physics courses and the design of instructional equipment. In recent years, he has concentrated on the study of musical acoustics, including a computer research project on the mechanics of the bowed string.

'After Watergate' is Bagdikian's topic

Ben H Bagdikian, journalist and media critic, will present a public lecture on "Press and Society after Watergate" at 8 p.m. Monday, Dec. 15, in the HUB ballroom. His visit is sponsored by the School of Journalism and the Institute for the Arts and Humanistic Studies.

Mr. Bagdikian has been an assistant managing editor for national news and ombudsman for the "Washington Post," national correspondent for the "Columbia Journalism Review" and in 1973 was M. Lyle Spencer Visiting Professor at Syracuse University. He was Nelson Poynter Fellow at Yale in 1972 and Duke University Fellow in Communications last year.

In 1971 while with the "Washington Post," he obtained copies of the Pentagon Papers, which the newspaper printed despite a federal court having enjoined their publication. He is the author of several books, including "The Shame of Prisons," "In the Midst of Plenty: The Poor in America," "The Information Machines: Their Impact on Men and the Media" and "The Effete Conspiracy and Other Crimes by the Press."

Mr. Bagdikian serves as president of the Mellett Fund for a Free and Responsible Press and as a trustee of Clark, his alma mater.

Dorm space plan

(Continued from page one)

larger single rooms.

The new assignment system was developed after a detailed study by University officials and student groups, the study prompted by shortage problems that arose last fall when more than 15,000 students applied for the 11,500 spaces available, and priority under the system then in effect went to residence hall occupants at University Park, leaving little opportunity to transfer and other students.

After deducting spaces reserved for freshmen, who are required to live in residence halls, and other designated groups such as sororities with suites in the residence halls, the rooms will be assigned in accordance with the percentage of applicants in each of four major groups. Priority within each group will be determined by the sequence of the filing of the application.

The groups are students currently living in the University Park residence halls, Commonwealth Campus, Behrend College and Capitol Campus students transferring to University Park; students on practicums; student teaching or foreign studies programs; and transfers from other colleges and universities, students readmitted, students residing off campus, and students returning from leaves of absence.

For the fall term, contract forms will be made available on Feb. 24 to each student living in University Park residence halls and also on or about Feb. 20 in other students who desire the forms.

Beginning on Mar. 11, contract forms with a $45 advance payment may be filed at the Bursar's Office and designated residence hall areas at University Park, and at designated areas on other Campuses.

The time of filing will be recorded on the contract form to determine the priority of assignment within each of the four categories. Thus, students within each stratified group will have equal opportunities for assignment.

If all spaces are assigned by Mar. 26, the University will process no more contracts; if it is explained, or if space remains, contracts processed will be classified into one group with priority in the sequence of the application filing.

Tenure group

(Continued from page one)

mendations after they have been reviewed at the department and Campus levels, as well as at the College and University Libraries levels. The Provost will transmit the necessary documents to the committee by Mar. 15, and the committee's recommendations will be made through the Provost to the President by May 15.

PENN STATE intercom

Volume 5, Number 14 December 18, 1975

An internal communications medium for the ecademic community of The Pennsylvania State University published weekly during the four terms of the claes schedule

'Pennsylvania '76' gift cards available

A gift card, containing the name of the giver, will be sent by the University Press to all intended recipients of "Pennsylvania 1776," Penn State's official Bicentennial book. The book is in press for availability at 215 Wagner on Dec. 19 — early enough for campus pick-up or delivery but not for Christmas mailing.

The gift card contains a drawing of an early Pennsylvania Christmas, including the first known American depiction of a decorated yuletide tree, by the folk artist Lewis Miller of York County. The card informs the addressee that a gift copy of "Pennsylvania 1776" is on the way.

Persons ordering the Bicentennial book between now and Dec. 19 may ask the University Press to send gift cards, and so may persons who already have placed orders. The book is being offered at a special price of $10 to Penn State students, alumni, faculty and staff (plus 75c per copy for postage and handling if books are to be mailed).

Campus map for handicapped ready

A map of the University Park campus has been designed to aid the physically disabled.

Developed as part of the work being done by the President's Commission on the Physically Handicapped Student at the University, the map identifies buildings accessible with assistance, buildings accessible without assistance, public elevators, key-operated elevators and pathways equipped with ramps. The information is aimed at helping physically handicapped persons schedule classes and move about the University Park campus with greater ease.

According to Dr. Raymond O. Murphy, vice president for student affairs, the maps are being made available through various means to alt handicapped students al University Park.

The President's Commission was established earlier this year to give consideration to the physically handicapped student as he or she relates to the University and to develop a framework for the University, in turn, to relate to the student, according to Dr. Oswald.

John H Doolittle, associate professor of physical education, heads the nine-member group, which includes faculty, staff and students.

Honorary alumnus plaque displayed

The Penn State Room's current "frontispiece" displays the bronze plaque denoting honorary life membership in the Penn State Alumni Association, first awarded in 1973 to President Oswald and most recently to Heinze Warneke, sculptor of the Nittany Lion Shrine. The plaque was designed by John A. Cook, professor of art.

The Alumni Council established the honorary life membership to recognize persons who are not Penn State graduates but who have made "outstanding contributions toward the welfare of the University or have significantly enhanced its reputation and prestige."

Honorary members named in the fall of 1973 were Coach Joseph V. Paterno and Mrs. Marie Underhill Noll, who provided funds for the Human Performance Research Laboratory named in honor of her late husband, A. Robert Noll '29, in 1974. At Alumni Reunions last June, Dr. Milton S. Eisenhower, former president of the University, became the fourth honorary Penn Stater.

The one-case exhibit in the Penn State Room includes pictures of the sculptor at work on the Lion statue in 1942 and several taken during his Nov. 7-8 visit to the campus to receive the award.

Course ideas are invited for next year

Proposals for Course Improvement Projects to be conducted during 1976-77 are being invited by Dr. Robert E. Dunham, vice president for undergraduate studies.

The grants are made to academic departments to support the improvement of basic courses or groups of courses which serve significant numbers of students at several campus locations or meet some other critical University need.

Since the beginning of the Course Improvement Program five years ago, 32 projects have been funded, resulting in improvements to some 43 courses.

Proposals are due in the office of Leslie P. Greenhill, 211 Mitchell Bldg., by Friday, Jan 16. It is expected that grants will be approved in time for projects to begin in spring term, 1976. The completion date will be June 30, 1977.

Faculty members may obtain additional copies of guidelines for proposals from Mr. Greenhill's office or by calling 865-7674. Proposals are reviewed by an advisory committee, which aids in selecting the projects to be funded.

Food talk Jan. 7

Dr. Don C. Kimmel, director of the liaison office for North America of the United Nations' Food and Agriculture Organization, will deliver the second lecture in a series on the world food crisis Wednesday, Jan. 7, at 8 p.m. in Room 105 Forum Bldg.

His topic is "International Action to Feed the World."

Dr. Kimmel has spent 22 years with the FAO, beginning as an agricultural extension specialist in Liberia. He assumed his present post in 1974.

A native of Berlin, Pa., Dr. Kimmel earned his bachelor's degree in agricultural education and his master's and doc-

(Continued on page two)

Members to have 3 SSI options

On Oct. 7, 1975, Act 101 was signed into law by Governor Shapp. This legislation amended various provisions of the State Employes' Retirement Code, including the section applicable to membership in the Social Security Integration (SSI) supplement group. University employees who elected to participate in the SSI group have been notified directly by mail about their options under the new legislation.

The SSI coverage was established in 1968 as a supplement to the basic retirement provisions of the State Employes' Retirement System. Members who selected SSI had their full basic rate of contribution reduced to 5 percent (some had been contributing as high as 8 to 9 percent) and agreed to contribute an additional 5 percent on earnings which exceeded the social security taxable base in any given year.

This connection between contributions and the social security taxable base resulted in the term "social security integration," a very confusing misnomer since many members have related SSI coverage with federal social security coverage. SSI has nothing whatsoever to do with the federal social security program.

Act 101 has given SSI members the option of (1) continuing their present coverage, (2) freezing their coverage (contributions and benefits), or (3) withdrawing all contributions and cancelling all SSI benefits. Forms to freeze coverage or cancel coverage are available in the Employee Benefits Division, 113 Willard Building. Questions regarding the SSI options under Act 101 should be directed to either of the University's counselors, William F. Batcheler or R. Joseph Taby.

Moir named as contract negotiator

William D. Moir has been named contract negotiator and coordinator at the University. His appointment will be effective March 1, 1976.

He will succeed Ralph E. Montgomery, who plans to retire from the University staff after 33 years of service.

Mr. Moir has been assistant to the contract negotiator and coordinator since 1963. He joined the staff in 1956 as a research assistant in the Department of Engineering Research and from 1957 to 1963 was an accountant in the Office of the Controller.

He served with the U.S. Navy in the Submarine Service from 1948 to 1952.

Mr. Moir is a Penn State alumnus, having earned a B.S. in business management in 1957.

University Calendar, December 18—January 11

Special Events

Thursday, Dec. 18
Commons Videotape, 12 noon, Kern lobby.
Monday, Jan. 5
Free U reception for artist Mike Loren, 7:30 p.m., HUB reading room.
Wednesday, Jan. 7
"Noondays," devotional period, 12 noon, large chapel, Eisenhower Chapel.
Artists Series film festival, "Stagecoach," 8:30 p.m., University Auditorium.
Thursday, Jan. 8
Commons Videotape, 12 noon Kern lobby.
Friday, Jan. 9
Folk and Square Dance Roundup, 7:30 p.m., South gym, White.
Artists Series, Martin Best, lutenist and guitarist, "The Art of the Troubadour," 8:30 p.m., Schwab.
GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Saturday, Jan. 10
Sports, Women's swimming, vs. Springfield, 2 p.m. Wrestling, vs. Bloomsburg State, 2 p.m. Men's and women's gymnestics, vs. Springfield, 8 p.m., Rec Hall.
Artists Series, Marcel Marceau, mime, 8:30 p.m., University Auditorium.
Black Caucus, "Dime Disco," 9 p.m., HUB ballroom.
Sunday, Jan. 11
Chapel Service, 11 a.m., Music Bldg. recital hall. The Right Rev. Henry W Murph, Bishop, AME, Washington, D.C.
Public reception, "Recent Sculptures by John Cook," 3-5 p.m., Museum of Art.
Teri Gemberling, piano, 3:30 p.m., Music Bldg. recital hall.

Seminars

Thursday, Dec. 18
Chemistry, 12:45 p.m., Room 333 Whitmore. Robin M. Hochstrasser, University of Pennsylvania, on "Studies of Fast Chemical Processes with Picosecond Lasers."
Computation Center, 7:30 p.m., Room 108 Forum. "RJE (6)."
Ceramic Science, 11 a.m., Room 301 Mineral Industries. Dr. Wieslaw Zdaniewski on "Catalyzed Crystallization of MgO-Al_2O_3-SiO_2 Glasses."
Monday, Jan. 5
Computation Center, 7:30 p.m., Room 105 Osmond "Mathematical Programming (1)."
Tuesday, Jan. 6
Plant Pathology, 9:45 a.m., Room 213 Buckhout. Richard Woodward on "Origins of Biotrophy."
Water Pollution Control, 2:20 p.m., Room 101 Chambers. "Soil Character and System Selection I."
Inorganic Chemistry, 8 p.m., Room 333 Whitmore, Paul Greigger on "Model Systems for Myoglobin and Hemoglobin."
Thursday, Jan. 8
Physics, 3:50 p.m., Room 117 Osmond Alistair B. Fraser, meteorology, on "The Mirage, the Green Flash and Theological Optics."
Meteorology, 4 p.m., Room 26 Mineral Sciences. Hans A. Panofsky, Evan Pugh Professor of Atmospheric Sciences, on "Wind Direction Fluctuations."
Computation Center, 7:30 p.m., 105 Osmond. "Mathematical Programming (2)."

Lecture

Wednesday, Jan. 7
World Food Crisis Lecture Series, Dr. Don C. Kimmel, The Food and Agriculture Organization of the United Nations, on "International Action to Feed the World," 8 p.m., Room 105 Forum. Sponsored by the Committee for International Programs and the College of Agriculture

University Schedule

Saturday, Dec. 20
Christmas-New Year's recess, begins 12:25 p.m.
Monday, Jan. 5
Classes resume, 8 a.m.
Tuesday-Thursday, Jan. 6-8
File for Pass/Fail.
Thursday, Jan. 8
Preregistration deadline.
Drop deadline.
Course repeat deadline.

Film

Wednesday, Jan. 7
GSA Commonsplace Theatre, "To Have and Have Not." 7:30 and 9:30 p.m., Room 112 Kern.

Games classes begin Jan. 8

Games and educational gymnastics classes for children of University faculty and staff will again be offered by the College of Health, Physical Education and Recreation, beginning Thursday, Jan. 8. Classes will meet Thursday afternoons from 4 to 5 p.m. in White Bldg. and continue through Feb. 19. Children from kindergarten through fourth grade may attend, and registration will be held before the first class.

Rec. Bldg. Xmas schedule

Recreation Bldg. will be closed on the official University holidays, Dec. 24, 25, 26 and 29 and again on Jan. 1. This schedule will also apply at the Intramural Bldg.

PENN STATE COLLECTION

Faculty notes

Dr. Carlos Zamore, assistant professor of Spanish, will chair a symposium on "Chicano Prose Fiction: The State of the Art" on Dec. 27 at the annual convention of the Modern Lenguege Association in San Francisco. Dr. Zomora, who joined the University faculty in 1973, has been active in Chicano affairs for a number of years, with a primary interest in education. He wes the first chairman of the first department of Chicano studies in the United States, established in 1970 at the University of Californie, Sante Barbara. In 1972 he was coordinator of a summer program for Chicano professors, funded by the Office of Education and held at the National Museum of Anthropology and History in Mexico City. He has organized a number of seminars and workshops on bilingual-education and served as chairman of a workshop on Chicano and Puerto Rican literatures at the MLA meeting in Chicego, Ill. He is currently a consultant to the MLA Commission on Minority Groups and the Study of Language and Literature and to the Office of Spanish Speaking Fomento of the American Association of Community and Junior Colleges.

Dr. Charles Craypo, associate professor of labor studies, is the author of an article in the October issue of "Industrial and Labor Relations Review," published by the New York State School of Industrial and Labor Relations of Cornell University. The article is entitled "Collective Bargaining in the Conglomerate Multinational Firm: Litton's Shutdown of Royal Typewriter." Dr. Craypo is a specialist in the area of impact of corporate conglomeration on the collective bargaining process and its outcomes.

Dr. Kuppuswami Vedam, professor of physics, has been elected a Fellow of the Optical Society of America. The honor was bestowed on Dr. Vedam by the board of directors of the Society in recognition of his distinguished service in the advancement of optics. A specialist in crystal physics, optics, ferroelectricity, x-ray and neutron diffraction, high pressure physics, physics of surfaces and materials characterization, Dr. Vedam joined the Penn State faculty in 1956. From 1960 to 1962, he served as a senior research officer at the Atomic Energy Establishment, Bombay, India, and as a member of the Indian Standards Institute panel on piezoelectric transducers and then returned to the University.

Dr. Esther E. Kamisar, a former elementary and high school teacher, has been named assistant professor of educational psychology at the Ogontz Campus. Earlier this year, she received a Ph.D. in educational psychology from the University of Michigan, where she also received an M.A. in 1972. Her B.A. in English was granted by Hunter College.

Gene Wettstone, Penn State's gymnastics coach for 38 years, has been named manager of the United States gymnastics team for the 1976 Olympics in Montreal. Announcement of Mr. Wettstone's selection was made by the U.S. Olympic Committee, which simultaneously announced the selection of one of Mr. Wettstone's former gymnasts, Lt. Col. Karl Schwenzfeier of the Air Force Academy, as head coach. Mr. Wettstone, who has announced plans to retire at the end of the 1975-76 season, was coach of the 1948 and 1956 Olympic teams and coached the U.S. team in the 1970 World Games competition.

Dr. Terence H. Risby, assistant professor of chemistry, presented a paper at the Environmental Protection Agency Platinum Research Conference in Duall Roost, N.C., Dec. 3-5. The paper, titled "Determination of Platinum Using Chemical Ionization Mass Spectrometry," was co-authored by **Dr. Peter C. Jurs**, associate professor of chemistry, and **Steven R. Prescott**, a doctoral candidate in chemistry. Dr. Risby, a specialist in the chemistry of heavy metals, notes that about 20 tons of platinum pour into the atmosphere each year via auto emission control devices. While there is no data yet to establish that platinum is a problem, he says, the potential is there.

Dr. William W. Reynolds, assistant professor of biology at Wilkes-Barre, has been invited to present a pepar on "Behevioral Aspects of Thermoregulation in Fish" to a symposium on thermal preference studies to be held during the annual meeting of the Northeastern Division of The American Fisheries Society at Hershey, Pa., next spring. Earlier this year, Dr. Reynolds presented papers on various aspects of behavioral thermoregulation and activity rhythms of fish at the Second Thermal Ecology Symposium in Augusta, Ga., and at national meetings of the Animal Behavior Society (Wilmington, N.C.) and the American Society of Ichthyologists and Herpetologists (Williamsburg, Va.). William J. Karlotski, an undergraduate student, also presented a paper co-authored with Dr. Reynolds at the ASIH meeting. A number of publications are now in press resulting from work performed by Dr. Reynolds and his students with the aid of a Commonwealth Campus (Phase I) Scholarly Activity Fund Grant. The opportunity to lower-profile undergraduate students to participate in original scientific research is a unique feature of the Commonwealth Campus system.

Dr. Archibald J. McDonnell, professor of civil engineering and assistant director of the Institute for Research on Land and Water Resources in charge of the water resources research center at the University, has been appointed a member of the United States Section of the Great Lakes Research Advisory Board for a three-year term. The Board was established pursuant to the Canada-United States Great Lakes Water Quality Agreement of 1972.

Retirements

Dr. Harold J. O'Brien, associate dean of the College of the Liberal Arts for Commonwealth Campuses, will retire Jan. 1, 1976, after 28 years on the faculty. Last June, Dean O'Brien was honored as the 11th recipient of the Lion's Paw Medal, awarded by the Lion's Paw Alumni Association to a person who has contributed notable service to the University, especially by fostering its honorable traditions.

A native of Locust Gap, near Mt. Carmel, Dean O'Brien's first experience with Penn State came in 1930 while he was working in the anthracite coal mines during the Depression, he enrolled in an evening extension course in mining. Later, after graduating from Shippensburg State College, he returned to the University to earn his M.S. and Ph.D. in speech.

Before joining the faculty in 1947, he taught at Clearfield High School, and during World War II, he won the Purple Heart while serving as a tank commander with the U.S. Army in the South Pacific. During his early years at the University, he served as coach for the Men's Debate Team, bringing it to national prominence, and for 14 years was parliamentarian for the University Senate. Since 1959, Dean O'Brien has had responsibility for the administration of liberal arts' programs at the Commonwealth Campuses. He is the co-author of a book, "Management-Employee Communication in Action."

Dr. Samuel B. Guss, professor of veterinary science extension, will retire Jan. 1 after 20 years of service. He attended Albright College and received a veterinary medicine degree in 1943 from the University of Pennsylvania. Prior to his appointment to the faculty in 1955, he was a practicing veterinarian. As Extension veterinarian, Dr. Guss worked primarily in the areas of dairy and livestock health and related problems. He also assisted numerous county and state dairy and livestock health committees. He developed a mobile milking machine demonstration unit, which has been used to instruct more than 15,000 dairymen in proper milking techniques, and has conducted hundreds of educational county and multi-county meetings on health subjects for livestockmen, veterinarians and industry teldmen.

Dr. Guss served on the University Faculty Senate and is past president of the Pennsylvania Extension Professors Association, the Pennsylvania Veterinary Medical Association and the American Association of Extension Veterinarians.

Lloyd E. Adams, professor of entomology extension, will retire Jan. 1 with 26 years of service. Since 1949, Prof. Adams has supervised Extension entomology programs in northwestern Pennsylvanie. He currently conducts his work in 21 northwestern counties. A native of St. Mary's, Mo., he received B.S. and M.A. degrees from the University of Missouri, with majors in entomology. During his tenure on the University faculty, Mr. Adams introduced numerous insect control chemicals on fruit, vegetables, grapes, and other food crops. He assisted with many insect control demonstrations on forage crops, potatoes, Christmas trees, and fly control in barns. He also has identified thousands of insect specimens and symptoms of damage caused by major pests for Extension agents, farmers, and homeowners.

Obituaries

Robert B Donaldson Sr., who retired in 1970 after 34 years at the University, died Dec. 9 in State College at the age of 70. A professor emeritus of agricultural economics Extension, Mr. Donaldson received both his B.S. and M.S. degrees from Penn State. He served as chairman of the Extension agricultural economics and rural sociology section and was nationally known for his work in marketing education in agriculture. A specialist in the development of fruit and vegetable procurement systems, he was the author of a book, "Profitable Roadside Marketing."

Ray V. Watkins, who retired in 1958 as University scheduling officer, died Dec. 4 in State College at the age of 82. Born in Nanticoke, Mr Watkins was graduated from Bloomsburg State College in 1913 and the University in 1923. A World War I veteran, he taught in the State College public schools before joining the University in 1924. He taught English composition at Penn State until 1935, when he was named scheduling officer.

Food talk

(Continued from page one)

toral degrees in agricultural economics, all at Penn State. He taught agricultural economics at the University of Florida before joining FAD.

His talk is being sponsored by the University Committee for International Programs and the College of Agriculture.

WPSX highlights

The potential of growth stocks for the individual investor is explored on **Wall Street Week** Friday, Dec. 19, at 8:30 p.m. Host Louis Rukeyser talks with Charles W. Shaeffer of T. Rowe Price Associates about why growth stocks can serve as protection against the long-term effects of inflation.

Benny Goodman highlights the first of two special **Soundstage** concerts in tribute to record producer John Hammond Friday, Dec. 19, at 10 p.m. During his 40-year career, Mr. Hammond has introduced such artists as Goodman, Bob Dylan, Bessie Smith and Billie Holiday. Appearing on the program with Goodman are George Benson, Marlon Williams and Helen Humes. The second program, on Dec. 26, features Bob Dylan making his first television appearance in more than six years. Each program may be seen the following Tuesday at 9:30 p.m.

Prima ballerina Dame Margot Fonteyn is the subject of an hour-long film biography Sunday, Dec. 21, at 10 p.m. The program, narrated by Richard Burton, includes scenes of Dame Margot in rehearsal with Rudolf Nureyev and Sir Frederick Ashton, and in her private life.

Piano virtuoso Arthur Rubinstein is featured in a Christmas Eve concert of works by Chopin on **Great Performances** Wednesday, Dec. 24, at 9 p.m. Mr. Rubinstein will perform Chopin's Piano Concerto no. 2 in F Minor, with Andre Previn and the London Symphony Orchestra.

Penn State pianist Philip Deltra is the host of **Impressions in Music**, a three-program series of music by composers of the impressionist era. The first program, to be aired Thursday, Dec. 25, at 7:30 p.m., features works by Gabriel Faure. Future programs will focus on music of Debussy (Jan. 1) and Ravel (Jan. 8).

Funding opportunities

(206-1) The National Science Foundation has issued "draft" guidelines for its RIAS Program (Research Institution and Support Program). Up to four years of support is anticipated for proposals with the objective of improving the effectiveness, efficiency and quality of training and research programs for young scientists at the graduate and postgraduate level. Only one proposal may be submitted by each institution, although participation in a consortium-type arrangement is permitted, provided institution and consortium proposals are dissimilar. The proposal deadline is March 1, 1976. Final guidelines are expected soon (Ref. NSF RIAS Draft Guides)

(206-2) Doctoral Dissertation Research Awards to candidates conducting **research on health service problems** have been announced by the HRA National Center for Health Services Research. Proposals will be reviewed in March and awarded in April, 1976. Contact for applications is 202-443-2620. (Ref. C&U Reps., 12/1/75)

(208-3) The Office of Education has issued proposed rules for awards and contracts under its **National Reading Improvement Programs.** Included are reading improvement projects (elementary and pre-elementary state reading improvement programs; special emphasis projects (contracts-local education), and the Reading Academy Program (out-of-school youth and adults). Comments are requested by Jan 5, 1976 (Ref. 40FR 56676-92, 12/4/75) (CFDA 13.533)

(206-4) Research Application at Identity-Research Subjects and Patients have been issued by the Public Health Service. (Ref. 40FR56692-95, 12/4/75)

(206-5) The Exxon Education Foundation funds **Educational Research and Development** that promises to lead to wide improvement in education, automation of physical facilities utilization in higher education. Pilot projects, developmental efforts and studies are encouraged. Preliminary outlines are requested by March 1, 1976 (June 1 next). Exxon also supports an **IMPACT Program Funds to Implement Educational Innovations.** Four innovations are currently funded. "Student-to-Student Counseling" (training students as academic counselors); "Expor Sim"; (a computerized research lab through computer simulations); "Guided Design" (combining programmed instruction with open-ended problem solving); and "Tips" (individualizing instruction in the large class). Proposals are requested by Feb 1, 1976 (July 1 next).

Inn food service to shut

Food service at the Nittany Lion Inn will be closed from Sunday, Dec. 21, through Thursday, Jan. 1. Full service will resume Jan. 2.

Behrend openings

Behrend College is seeking heads for its Division of Arts and Humanities and the Division of Social and Behavioral Sciences. Applications and nominations should be submitted by Jan 7 to: Search Committee, Office of the Dean of the Faculty, Behrend College, The Pennsylvania State University, Station Road, Erie, Pa. 16510.

The division head is an educational leader, responsible for direction of programs in resident instruction, continuing education, research in the fields of specialization, development of an appropriate array of courses and the recruitment and retention of able staff are also part of the job description.

Candidates should have a doctoral degree plus administrative experience in higher education and a demonstrated capacity for academic leadership. Candidates for the Arts and Humanities position should have a discipline background in English. Candidates for the Social and Behavioral Sciences post should have a discipline background in either economics or political science. The appointments would be effective July 1, 1976

Staff vacancies

This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1301 (Network Line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m. Wednesday, Dec. 31. **Do not contact the area that has the vacancy**

ASSISTANT COMMUNICATIONS SPECIALIST, COLLEGE OF AGRICULTURE University Park

Produce and host weekly television programs, radio series, and develop a special series with emphasis on youth audiences for broadcast or group sessions. Coordinate and supervise audio and video taping in the studio, field and laboratory. Responsible for seeking, obtaining, and/or selling audio visual equipment with emphasis on new items. Teach radio and television broadcasting in workshops, etc. Produce materials for audio visual presentations with college faculty, guest students, etc. Bachelor of science degree or equivalent in broadcasting, journalism, speech, mass communications or similar disciplines, plus one to two years of directly related experience in radio and/or television performing, programming or teaching.

PENN STATE intercom

Volume 5, Number 15 January 8, 1976

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News briefs

Events to honor Dr. King

The birthday anniversary of Dr. Martin Luther King will be celebrated with an hour of reflection at 7 p.m. Saturday, Jan. 10, in the Helen Eakin Eisenhower Chapel lounge and at University Chapel Service the following day at 11 a.m. in the Music Bldg. recital hall. The Saturday evening program will provide an opportunity to bring together persons who are actively working for human liberation and brotherhood, according to Rev. Charles L. Coleman, program director of religious affairs. The Rev. Dr. Lucius Walker Jr., associate general secretary for church and society of the National Council of Churches, will be a special guest at Saturday's hour as well as Chapel speaker. The programs are sponsored by the Office of Religious Affairs and the Black Christian Fellowship.

Fall grades to faculty

All faculty members should receive within the next few days a listing of the grades which were recorded for their students during the fall term. Two copies of the report, now in preparation, will be forwarded by the Division of Admissions, Records and Scheduling through the Colleges, with one of the two copies intended for the instructor who graded the students. The purpose of the reports, instituted with the winter term, 1975, is to assure accuracy of the grade recorded and to provide summaries of grade distributions. The reports are issued shortly after the close of each term.

Canada requires visas

The Canadian government now requires that any person who would need a non-immigrant visa in proceeding to Canada directly from his country of citizenship must have a visa if he wishes to enter Canada from the United States even for a short visit. Any international visitor planning a trip to Canada should check in the Personnel Procedures Office to determine if a visa is needed. Because in some cases it may take up to three weeks to obtain a Canadian visa, anyone planning a trip should not wait until the last minute to obtain all documents.

On Drugs plans program

On Drugs, Inc., of State College is planning a Drug Awareness Day Program to be held this spring. Any individual or organization interested in planning, participating or contributing to this project should contact OD at 236-A S. Allen St. or call 237-5855.

Foreigners must register

All foreign nationals who are not United States citizens must register their current address with the Immigration and Naturalization Service during the month of January. To do this, they should obtain a form, which is available at the Post Office, fill it out and leave it with the Postmaster. Failure to comply with the law can lead to severe penalties.

Dinner-Theatre planned

Tickets are available at the Kern Bldg. Information desk for the Un-Common Dinner-Theatre production of "6 Rms Riv Vu" Saturday and Sunday, Jan. 17 and 18, at 6:30 p.m. in Room 102 Kern. Tickets for the "Fisherman's Wharf Bullet" and the play are $6 apiece. Tickets for the play only will be sold at $1.75.

New Phi Beta Kappa officers

New officers have been elected by Lambda Chapter of Phi Beta Kappa. They are: Dr. Barton W. Browning, associate professor of German, president; Dr. Doris M. Seward, executive assistant to the President, secretary; Martha J. Kolin, assistant professor of English, treasurer; and Dr. Ira V. Brown, professor of American history, historian. Board members at large are Dr. James D Rodgers, associate professor of economics; Dr Judd B. Arnold, associate professor of English; and Dr. Jean W MacCluer, associate professor of biology Phi Beta Kappa members in the Penn State community who are interested in joining Lambda Chapter are urged to contact one of the board.

Odetta completes cast

The well known folksinger Odetta has agreed to take on the last uncast role — that of the Muse of Liberty — in "Be Glad Then America," the musical and dramatic entertainment written by John LaMontaine for the University choirs "The most glorious voice in American folk music," the New York Times critic wrote of Odetta, who recently made her acting debut in Arthur Miller's "The Crucible" at the Stratford Festival in Canada "Be Glad Then America" is under the artistic direction of Sareh Caldwell and will be performed by the Pittsburgh Symphony Orchestra. It will premiere Feb. 6, 7 and 8 at University Auditorium. Ticket sales will begin Jan. 28.

Retired staff to meet

Penn State's Retired Staff Club will hold its 174th meeting Thursday, Jan. 8, at 7:30 p.m. in the St. Andrews Episcopal Church Parish Life Center. Dr. Charles L. Hosler, dean of the College of Earth and Mineral Sciences, will speak on "Obstacles and Amusing Incidents Encountered in Translating Complex Scientific Data." Host and hostess for the evening are Mr. and Mrs. Carl O. Dossin. New members are welcome

Berks building gone

Visitors to Reading will no longer be seeing the Penn State classroom building located next to the Vanity Fair outlet. The building, which Berks Campus was using for continuing and labor education programs, is being demolished to allow Vanity Fair to enlarge its parking lot.

PLRB hearings to determine unit

The Pennsylvania Labor Relations Board opened hearings Monday on the nature of a potential collective bargaining unit at the University.

The hearings were called as a result of a petition filed by the Pennsylvania State University Professional Association (PSUPA) for an election of a collective bargaining agent to represent Penn State faculty and professional staff.

One other faculty organization, the American Association of University Professors (AAUP), has intervened and is participating in the unit determination hearings.

Representatives of the Graduate Student Association were present at the opening of the hearings, but the group's role has not been determined.

The hearing's opening session, most of which was conducted off the record, was devoted to a discussion of the issues involved.

PSUPA is seeking a unit to include all faculty, excluding those at the Milton S. Hershey Medical Center and the King of Prussia Graduate Center, and all non-teaching professionals directly related to the academic and research programs.

The AAUP, on the other hand, would have a unit including only faculty. It would exclude the Hershey Medical Center, and also King of Prussia, to the extent there are no full-time faculty members there.

The University's position, as outlined at the opening session, is that a unit should consist only of faculty, but should include regular full-time faculty at all locations of the University, including the Medical Center.

Roger Richards, who represented the

(Continued on page four)

Library automation offers prospect of improved service, economies

The following article on library automation was prepared by Edward R. Johnson, assistant dean of libraries for technical operations, and Gordon W. Rawlins, chief, systems development.

Every member of Penn State's academic community has been affected in recent years by the problems of runaway inflation. Equipment costs more, supplies are more expensive, freezes or decreases in personnel budgets occur frequently, and books increase in cost at an astronomical rate every year. The University Libraries have been coping with these problems for several years, but we can take some small comfort in the fact that we are not alone. The National Commission on Libraries and Information Services in its 1975 report, "Toward a National Program for Library and Information Services. Goels for Action," notes that "like the universities in which most of them are situated, research libraries are confronted today with rising costs, a rapidly changing set of educational objectives and the impact of new technology."

For several years, the prospects of automation have offered the promise of a solution to many library problems. However, It was not until about five years ago that academic libraries began to design and implement significant computer-based systems. Today, there are several nationwide computer-based library cooperative projects, and a few large research libraries are developing their own automated systems. The most significant projects underway today in libraries are: Stanford University Library's project BALLOTS (Bibliographic Access to Large Libraries utilizing Time Sharing), the Library of Congress MARC (Machine Readable Catalog) system, MEDLINE at the National Library of Medicine, various automation projects at the University of Chicago Library, Ohio State University Library, Columbia University Library, the New York Public Library and the Ohio College Library Center (OCLC).

A late entrant in the field, but one which offers the prospect of significantly improved library services, is under development at the Penn State University Libraries — the Library Information Access System (LIAS). Both the Library Information Access System (LIAS) and the Ohio College Library Center (OCLC) will be of considerable interest to the faculty, staff and students of Penn State.

OCLC

In the late 1960s and early 1970s, many college, university and public libraries in Ohio formed a non-profit corporation called the Ohio College Library Center. The purpose of OCLC was to share the cataloging data of participating libraries and to provide access to these data via CRT terminals connected on-line to a computer on the Ohio State University campus in Columbus, Ohio. OCLC "went on-line" in 1973, and in just a few short years, it has grown enormously in size and scope. Today, it is one of the most significant nationwide library resources in the United States. Several hundred libraries across the country now belong to OCLC and its data base has grown to over 1,750,000 cataloging records input by member libraries. Plans are now being developed to expand OCLC beyond cataloging into the areas of periodicals record control, acquisitions support and interlibrary loan. The biggest impact of OCLC to date, however, is on that elusive but desirable goal of interlibrary cooperation.

In 1974 the University Libraries at Penn State joined a consortium of libraries based in the Pittsburgh area — the Pittsburgh Regional Library Center. The major purpose of joining PRLC was to participate, through that consortium, with the Ohio College Library Center. PRLC members received CRT terminals through a grant of funds from the State Library of Pennsylvania and telephone line changes and other communications costs to Columbus are also shared by the members

While computer programming and systems analysis activities are presently underway to implement the Library Information Access System, the Libraries' participation, on an interim basis, in OCLC will allow us to achieve our goal of adopting cost-effective machine-aided methods in cataloging on as full a scale as possible. After nearly a year of planning, three OCLC terminals are now in operation in the Catalog Department, and an extensive reorganization of the staff responsibilities has been effected. The adoption of OCLC procedures has been made cost-effective by "collapsing" several vacant clerical positions and through the implementation of more efficient computer-assisted methods of cataloging and producing catalog cards. OCLC has set the stage for the provision of extensive computerized library services to the Penn State community.

LIAS

LIAS is a computerized library system which was developed following the demonstrable success of the Ohio College Library Center's "shered cataloging" sub-system. It is a modular system designed to provide library patrons and staff with information essential to the support of their academic research and teaching needs. LIAS uses the library's medium scale Xerox time-share computer. It will consist of several subsystems that will be developed and made operational independent of each other. The design of LIAS is based upon the proven and existing standards of the library, computer and communication industries. The results of an intensive diagnostic study of every existing file and activity within the Penn State University Libraries on the University Park campus went into the design and structure of LIAS.

LIAS is a terminal based system, which means that a computer terminal will be used to relay information from the user to the computer and back to the user. The computer will retain a record of all requests and transactions as they relate to the user and his or her specific needs at any given time. While the user communicates with the computer, the librerian will be recording the receipt of new materiel, its status at that minute, and all other processing information. As a result, LIAS

(Continued on page four)

PENN STATE COLLECTION

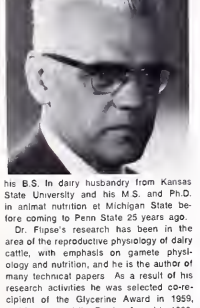
Ag service awards presented to seven



Penn State conferred **Frank Anthony's** B.S., M.S. and Ph.D. degrees in agricultural education. Before joining the faculty, he taught agriculture at Latrobe High School, served as head of the Department of Farm Mechanics at the National Farm School and was director of agricultural education and extension at the American University of Beirut and Near East Foundation. A professor of agricultural education at the University, Dr. Anthony has been a visiting professor at Rutgers and the Universities of New Hampshire, Maine and Rhode Island.

Dr. Anthony has conducted research in hunter and firearm safety, and basic testing programs presently used to educate and screen hunters under 16 were developed by him. He has been awarded the Honorary American Farmer Degree by the National Association of Future Farmers of America and the Honorary Keystone Farmer Degree from the FFA's Pennsylvania Association. In 1969, he was named "Man of the Year" by the Pennsylvania Rural Electric Association.

Robert J. Flipse, professor of dairy science, assistant dean for research in the College of Agriculture, and assistant director of the Pennsylvania Agricultural Experiment Station, is one of the world's leading authorities on the biochemistry and metabolism of the bovine sperm. He received



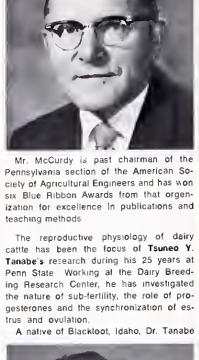
his B.S. in dairy husbandry from Kansas State University and his M.S. and Ph.D. in animal nutrition at Michigan State before coming to Penn State 25 years ago.

Dr. Flipse's research has been in the area of the reproductive physiology of dairy cattle, with emphasis on gamete physiology and nutrition, and he is the author of many technical papers. As a result of his research activities he was selected co-recipient of the Glycerine Award in 1959, and he received the Borden Award in 1969.

A fellow of the American Society for the Advancement of Science, Dr. Flipse participates in the administration of the Experiment Station with principal responsibility for contracts and agreements and the processing of research projects.

Joseph A. McCurdy, professor of agricultural engineering Extension, has gained national recognition for his work and Extension program in potato storage structures and management. A Penn State graduate, he also has an M.S. from Michigan State. During World War II, he was a second lieutenant and served as a bombardier in the Air Force.

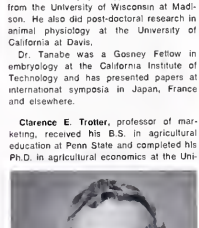
Before coming to Penn State he was a farm representative of the Pennsylvania Power and Light Co., and much of his work here has been in the area of electric power and processing. He originated the Pennsylvania 4-H Electric Project and authored the publication, "Standby Equipment for Electric Power Interruptions," in cooperation with the Office of Civil Defense



Mr. McCurdy is past chairman of the Pennsylvania section of the American Society of Agricultural Engineers and has won six Blue Ribbon Awards from that organization for excellence in publications and teaching methods

The reproductive physiology of dairy cattle has been the focus of **Tsuneo Y. Tanabe's** research during his 25 years at Penn State. Working at the Dairy Breeding Research Center, he has investigated the nature of sub-fertility, the role of progesterones and the synchronization of estrus and ovulation.

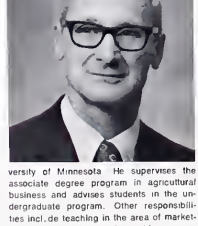
A native of Blackloot, Idaho, Dr. Tanabe



grew up on a farm. He majored in dairy husbandry at Iowa State University, where he earned his B.S. in 1942. In 1945, he obtained a master's degree in animal breeding at Cornell, and three years later, a Ph.D. in the physiology of reproduction from the University of Wisconsin at Madison. He also did post-doctoral research in animal physiology at the University of California at Davis.

Dr. Tanabe was a Gosney Fellow in embryology at the California Institute of Technology and has presented papers at international symposia in Japan, France and elsewhere.

Clarence E. Trotter, professor of marketing, received his B.S. in agricultural education at Penn State and completed his Ph.D. in agricultural economics at the Uni-



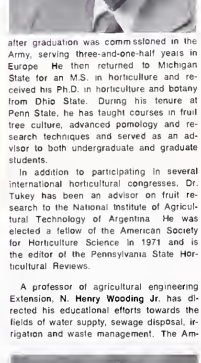
versity of Minnesota. He supervises the associate degree program in agricultural business and advises students in the undergraduate program. Other responsibilities include teaching in the area of marketing and overseeing the internship program where students receive on-the-job training with a business or public agency.

His research experience has been in the area of marketing with specific emphasis on forest products, livestock and meat, horticultural products, processing, distribution and credit in the feed milling industry and apple marketing.

Dr. Trotter is a member of many University and professional committees and has been active in community affairs. Currently he is a supervisor in College Township.

Loren D. Tukey, professor of pomology, is known for his research on growth regulation chemicals on apples and grapes; plant-environmental relationships in fruit growth; and the development of intensive production systems involving dwarfing rootstocks, close tree spacing and the trellis-hedgerow method of growing apples for machine harvesting. He has authored many articles for the professional journals.

Dr. Tukey earned his B.S. degree in horticulture from Michigan State University and



after graduation was commissioned in the Army, serving three-and-one-half years in Europe. He then returned to Michigan State for an M.S. in horticulture and received his Ph.D. in horticulture and botany from Ohio State. During his tenure at Penn State, he has taught courses in fruit tree culture, advanced pomology and research techniques and served as an advisor to both undergraduate and graduate students.

In addition to participating in several international horticultural congresses, Dr. Tukey has been an advisor on fruit research to the National Institute of Agricultural Technology of Argentina. He was elected a fellow of the American Society for Horticulture Science in 1971 and is the editor of the Pennsylvania State Horticultural Reviews.

A professor of agricultural engineering Extension, **N. Henry Wooding Jr.** has directed his educational efforts towards the fields of water supply, sewage disposal, irrigation and waste management. The Am-



erican Society of Agricultural Engineers honored him with seven Blue Ribbon Awards for excellency and originality in his publications and teaching methods.

Mr. Wooding obtained his B.S. degree from Virginia Polytechnic Institute and his M.S. at Rutgers University. His professional career began with the Soil Conservation Service in Virginia; he then worked for the Southern State Cooperative, Inc., and was a power use specialist with USDA's Rural Electrification Administration.

During World War II, he served as a commissioned officer in Europe and North Africa and in Alaska during the Korean emergency. In 1972, he retired as a colonel in the Army Reserve.

Faculty notes

The cover photograph and an article in the current (January, 1976) issue of "Scientific American" are provided by **Dr. Alistair Fraser,** associate professor of meteorology. The article, with graduate assistant **William H. Mach,** is on the subject of mirages, which Dr. Fraser studies partly for the insights they provide into meteorological processes and partly, he says, "because I find them inherently fascinating." He is presently doing research on the subject under a grant from the National Science Foundation. The article is illustrated with drawings showing various types of mirages and the meteorological conditions that cause them. There are also several photographs of mirages taken by Dr. Fraser, who contends that the phenomena are not as rare as popularly supposed.

Dr. Henry S. Albinski, professor of political science, participated last month in a study group assessing the international roles and policies of Australia and New Zealand at an invitational conference on changing patterns of relations among the United States, Great Britain and the old Commonwealth nations. The conference was sponsored by the Ditchley Foundation and held at Ditchley Park, England. Among the 25 or so Americans, Britons, Australians, Canadians and New Zealanders attending were diplomatic, political, military, business executive and academic delegates. The Duke of Edinburgh presided over part of the conference.

L. P. Greenhill, assistant vice-president for academic services, received the Pioneer Award of the Pennsylvania Learning Resources Association at a recent meeting in Hershey. The award recognizes Mr. Greenhill for his pioneering efforts in educational technology and his leadership to improve education through innovative means.

Zeljko Kujundzic, associate professor of art (Fayette), has had several of his works included in a group exhibition titled "Art about Women" at the R.M. Gallery in Toronto, Canada. A member of the faculty since 1968, Prof. Kujundzic works in several media, ranging from hand-made tapestries and wood and metal wall pieces to terra cotta statuary and ceramic pieces.

Dr. **Ronald J. Harshbarger,** assistant professor of mathematics at Beaver, is the author of three new mathematics texts published by Harper & Row. "Introductory Algebra for College Students" and "Intermediate Algebra for College Students" were written for use in pre-calculus courses. "Business Mathematics" is designed for majors in business. Instructor Manuals and semi-programmed Student Guides are included for each text. A faculty member since 1965, Dr. Harshbarger is the author of an earlier text, "Essential Business Mathematics." A graduate of Shippensburg State College, he earned his M.S. from the University of New Hampshire and his Ph.D. from the University of Pittsburgh.

Dr. **Charles R. Hartzell,** assistant professor of biochemistry, was invited to participate in the winter Gordon Research Conference in Santa Barbara, Cal., Dec. 28-Jan. 2 in a session on Metals and Metal Binding in Biology.

Dr. Cecil Goodwyn has been appointed as an assistant professor of geography. He received a B.S. in geography from East Tennessee State College and his M.S. and Ph.D. from the University of Michigan. His area of special interest has been computer modeling of physical processes in arctic regions. He plans to continue work in computer models, shifting his study to energy related consumption in small communities as a means of seeking alternative ways to use energy.

Dr. Helen B. Volz has been named an assistant professor of speech pathology at University Park. She was a part-time instructor at Penn State from 1966 to 1970 and a full-time instructor thereafter. Her degrees were granted by Penn State — a B.S. in elementary education and a M.S. and Ph.D. in speech pathology and audiology. Dr. Volz has served as speech clinician in the Centre County public school system.

University Park Calendar

January 8 - 18

Items to be included in this calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, Jan. 8

Commons Videotape, 12 noon, Kern lobby

Physical Sciences Library orientation for faculty, grad students, 1:30 p.m.

FSHA 410 dinner, "India," 5:30 p.m., Maple Room, Henderson Human Development. Reservations: 865-7441.

Friday, Jan. 9

Physical Sciences Library orientation for faculty, grad students, 1:30 p.m.

Folk and Square Dance Roundup, 7:30 p.m., south gym, White.

GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Artists Series, Martin Best, lutenist and guitarist, "The Art of the Troubadour," 8:30 p.m., Schwab.

Saturday, Jan. 10

Sports: Women's swimming, vs. Springfield, 2 p.m. Wrestling, vs. Bloomsburg State, 2 p.m. Men's and women's gymnastics, vs. Springfield, 8 p.m., Rec. Bldg.

Hour of reflection honoring Dr. Martin Luther King, 7 p.m., Eisenhower Chapel.

Artists Series, Marcel Marceau, mime, 8:30 p.m., University Auditorium.

Black Caucus, "Dime Disco," 9 p.m., HUB ballroom.

Sunday, Jan. 11

Chapel Service, 11 a.m., Music Bldg. recital hall. Dr. Lucius Walker Jr., National Council of Churches.

Public reception, "Recent Sculptures by John Cook," 3-5 p.m., Museum of Art.

Teri Gemberling, piano recital, 3:30 p.m., Music Bldg. recital hall.

Monday, Jan. 12

Davis Brooks, violin, 8.30 p.m., Music Bldg. recital hall.

France Cinema, "Zazie and the Subway," 7 and 9 p.m., Room 102 Kern.

Tuesday, Jan. 13

Sports: Men's and women's bowling, vs Gettysburg, 3 p.m., Rec. Bldg.

Artists Series Film Festival, "Il Bidone," 7 and 9 p.m., Schweb.

Wednesday, Jan. 14

"Noondays" devotional period, 12 noon, large chapel, Eisenhower Chapel.

FSHA 410 dinner, "Roman," 5:30 p.m., Maple Room, Henderson Human Development. Reservations: 865-7441.

Thalia Trio, 8:30 p.m., Music recital hall.

Thursday, Jan. 15

Commons Videotape, 12 noon, Kern lobby.

FSHA 410 dinner, "Renaissance Italy," 5:30 p.m., Maple Room, Henderson Human Development. Reservations: 865-7441.

Friday, Jan. 16

Penn State Symphonic Wind Ensemble, 8.30 p.m., Music Bldg. recital hall.

GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Recreational and Parks Society Professional Careers Conference, 8 a.m.-5 p.m., HUB ballroom.

Saturday, Jan. 17

Sports: Men's basketball, vs. Muhlenberg, 2 p.m., Rec. Bldg. Women's and man's bowling, PSU Invitational, 3 p.m., Rec. Bldg. Women's and men's swimming, vs. Pittsburgh.

Un-Common Dinner Theatre, "6 Rms Riv Vu," 6:30 p.m., Rooms 102 and 112 Kern.

Sunday, Jan. 18

Marilyn Manning, flute, 3.30 p.m., Music Bldg. recital hall.

Chapel Service, 11 a.m., Eisenhower Chapel, Dr. Hugh Brooks, recreation and parks.

Black Christian Fellowship worship service, 11 a.m., Walnut Cultural Center.

Un-Common Dinner Theatre, "6 Rms Riv Vu," 6:30 p.m., Rooms 102 and 112 Kern.

Seminars

Thursday, Jan. 8

Ceramic Science, 11 a.m., Room 301 Mineral Industries. Dr. J. J. Mecholsky, Naval Research Laboratory, on "Relation of Fractural Mechanics to Fracture Surface Analysis in Ceramics."

Computer Science, 3 p.m., Room 325 Whitmore. Harvey Lowy, Stony Brook, on "Design of Distributed Data Basa Management System for a Homogeneous Distributed Computer Network."

Physics, 3:50 p.m., Room 117 Osmond. Alistair B. Fraser, meteorology, on "The Mirage, the Green Flash and Theological Optics."

Meteorology, 4 p.m., Room 26 Mineral Sciences. Hans A. Panofsky, Evan Pugh Professor of Atmospheric Sciences, on "Wind Direction Fluctuations."

Mathematics, 4 p.m., Room 116 McAllister.

Eric Thomas, McGill University, on "Real Analysis."

Computation Center, 7:30 p.m., Room 105 Osmond. "Mathematical Planning (2)."

Monday, Jan. 12

Biology, 4 p.m., Room 60 Willard. William H. Schlesinger, Cornell University, on "Biogeochemical Limits on Two Levels of Plant Community Organization in the Southeast."

Computation Center, 7.30 p.m., Room 105 Osmond. "Mathematical Programming (3)."

Tuesday, Jan. 13

Plant Pathology, 9.45 a.m., Room 213 Buckhout. Evan Gustow on "Appressorial Formation."

Applied Research Lab., 10:45 a.m., Eric A. Walker Conference Room. David R. Vollmer on "The Colonization of Space. Development of Extra-Terrestrial Industry and Habitation."

Biochemistry and Biophysics, 11 a.m., Room 101 Althouse. Sarkis Margossian, Structural Biology Lab., Branders University, on "Interactions of Muscle Proteins."

Water Pollution Control, 2:20 p.m., Room 101 Chambers. "Soil Character and System Selection II."

Solid State, 1 p.m., Room 333 Davey. William Gordon, Case Western Reserve University, on "Alloying Effects on Mg Permi Surface, Electronic Energy and Life-Term Shifts."

English, 8 p.m., Room 101 Kern. Ralph Condee on "Monster-Literature and the University Bureaucracy, Exclusive of the Latin Poetry of John Milton."

Wednesday, Jan. 14

Biochemistry, 4 p.m., Room 101 Althouse. Scott Forsberg on "Preparation of Chemically Defined Synthetic Antigens."

Thursday, Jan. 15

Chemistry, 12:45 p.m., Room 333 Whitmore. Manfred A. Biondi, University of Pittsburgh, on "Atomic Collision Phenomena Relating to Lasers and Planetary Atmospheres."

Physics, 3:50 p.m., Room 117 Osmond. R. Arnowitt, Northeastern University, on "Gauge Theories and Supersymmetries."

Statistics, 4 p.m., Room 75 Willard. Gregory Reinsel, Carnegie-Mellon institute, on "Estimation on Linear Time Series Models."

Meteorology, 4 p.m., Room 26 Mineral Sciences. Alan Dittenhoffer on "Precipitation Chemistry of Western New York."

Mathematics, 4 p.m., Room 116 McAllister. John Steel, SUNY at Buffalo, on "Logic."

Computation Center, 7.30 p.m., Room 105 Osmond. "Mathematical Programming (4)."

Exhibits

Museum of Art: Recent Sculptures by John Cook, Jan. 11-Feb. 29. Hugo Weber A Retrospective Exhibit, Jan. 11-Feb. 29.

Zoller Gallery: Student Painting and Ceramics Exhibit, Jan. 5-17. Student Sculpture Exhibit, Jan. 18-30.

HUB Gallery: Free U Art Show, Mike Loren, Jan. 5-17. Jack Tar, American Profiles of Merchant Seafarers, 1794-1803 (Smithsonian Institution), Jan. 17-Feb. 15.

Kern Gallery: Central Pennsylvania Scholastic Art Show, Jan. 10-Feb. 1.

Chambers Gallery: Musical Instruments, Jan. 6-29

Pattee Library: East Corridor Lobby, Drawings and Photographs by Maureen and Gary Nell, through Jan. 12.

University Schedule

Thursday, Jan. 8

Preregistration deadline.

Drop deadline.

File for Pass / Fail.

Course repeat deadline.

Thursday, Jan. 15

Late registration deadline.

Meetings

Tuesday, Jan. 13

College of the Liberal Arts faculty meeting, 3.30 p.m., Room 121 Sparks.

College of Arts and Architecture faculty meeting, 4 p.m., Room 302 Engineering A.

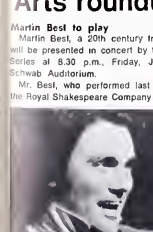
College of Agriculture faculty meeting, 4 p.m., Rooms 301 A and B, Ag. Administration.

Arts roundup

Martin Best to play

Martin Best, a 20th century troubadour, will be presented in concert by the Artists Series at 8.30 p.m., Friday, Jan. 9, in Schwab Auditorium.

Mr. Best, who performed last year with the Royal Shakespeare Company here, tells



Martin Best

his stories and sings his songs to the accompaniment of lute and guitar. He received his musical training at the Guildhall School of Music, the Royal College of Music and the Segovia School.

Augmented by his accompanying artist, Ed Flower, on additional guitar, Mr. Best will perform anonymous end traditional ballads from the British Isles and America, songs and lute music from 1150-1600, songs by Carl M. Bellman and "Songs of tha Spirit," translations of American Indian texts set to music by Mr. Best.

In addition to his regular performance, he will conduct a Master Class and Workshop at 8 p.m. Thursday, Jan. 8, in the Music Bldg. recital hall. Tickets for the workshop are available at no charge at the HUB Booth. Concert tickets are on sale now from 9 a.m. to 4 p.m. at the University Auditorium and the HUB Booth.

Weber exhibit opens

A retrospective exhibition of the American-Swiss artist Hugo Weber will open Sunday, Jan. 11, in the Museum of Art. Long recognized as an avant-garde painter, Weber was also a sculptor, filmmaker, writer and poet. Some 30 works on canvas are shown with six sculptures and 23 works on paper. Examples of Weber's poetry are found in the exhibition catalog which accompanies the show, organized under the patronage of the Ambassador of Switzerland and the sponsorship of the Pro Helvetia Foundation, Swiss Center Foundation, and Swiss Society of New York.

Weber was a widely respected artist during his life and was associated with European artists Alberto Giacometti, Hans Arp and Aristide Maillol, and with Franz Kline, Willem de Kooning and Jackson Pollock in America. Weber died in 1971. The majority of the works in the retrospective are on loan from Ann Weber. The exhibit has traveled to four museums in the United States and will be on view at the University of Maryland after it closes here Feb. 29.

Thalia concert is Jan. 14

The Thalia Trio will perform works by Amram, Shostakovich, and Schumann in concert at 8:30 p.m. Wednesday, Jan. 14, in the Music Bldg. recital hall. Trio members pianist Robert Baisley, professor and head of the Department of Music; violinist Joanne Zagst, associate professor of music; and cellist Leonard Feldman, associate professor of music, will perform Amram's "Dirge and Variations" and "Trio," opus 63 in D minor by Schumann. Joining the group for the performance of the Shostakovich "Romanzen Suite for Soprano and Trio" will be Karen Scott, assistant professor of music. In November, the Thalia Trio performed in concert at the week-long Festival of American Music at Shippensburg State College, where Mr. Baisley also served as a panelist in a symposium on aspects of American music with Aaron Copland, whose music was featured in the festival events.

New film available

The universal concept of movement is explained in a new 20-minute black and white film by University faculty, staff, and students. To be premiered at the National/International Sculptors Conference in New Orleans in March, the film was created using models by architecture students, with computer graphics by Frederick Stocker, research assistant in the Computer Center, and music by Burt Donner, associate professor of music, under the direction of Howard Lawrence, assistant professor of architecture. Filming is by Robert Kitchin, motion picture production specialist. The film, titled "Movament," is available for rent or purchase. Information is available from Mr. Lawrence at the Department of Architecture office, 308 Sackett Bldg., 865-9535.

Rhode Island work shown

The Eighth Annual Portfolio of the Photographic Education Society at the Rhode Island School of Design is exhibited Tuesday and Thursday afternoons from 1 to 5 p.m. In Room 212A Arts Bldg. Rhode Island School of Design faculty members Krot, Siskind, Lebowitz, and Michalik and 18 students are represented in the portfolio by one work each. Included are color and black and white photographs. Editions of the prints in the portfolio, one of the foremost of its kind, are also available for purchase at the exhibition, to be shown through Thursday, Jan. 22, under the sponsorship of the Department of Art.

Cook has one-man show

John Cook, professor and head of the sculpture area in the Department of Art, is the subject of a one-man show in the Museum of Art, opening with a public reception from 3 to 5 p.m. Sunday, Jan. 11, at the Musaum. Nineteen recent works are included in the exhibition of sculptures on the subject of human faces. An important theme for this current work is the changeability of individual attitudes in relation to their environment, according to the artist.

Faces, Mr. Cook says, are the crystallization of his endeavor to illustrate human stereotypes. The exhibited works often combine a variety of materials, such as bronze with rayon, velvet, feathers or paint.



Detail of "Relief Panel 1"

Born in Minnesota, Mr. Cook holds degreas from Arizona State University and the State University of Iowa and studied at the Akademie der Bildenden Kuensle, Munich, on a Fulbright research grant. He has taught sculpture at Cornell University, the University of Arizona, Utah State University and San Fernando Valley State College, where he was acting chairman of the fine arts area. The subject of one-man shows at the Phoenix Art Museum, the University of Arizona Galleries, the Osgood Gallery, New York, and the Silvan Simone Gallery in Los Angeles, he has bean represented in group shows in this country end abroad and has works held by many private and public collections.

HUB addition ready for business



Photographs show some of the new HUB meeting rooms and lounges which can be reserved by faculty and staff through the Office of Student Activities. Facilities cannot be scheduled for classroom instruction but are available for meetings, lectures or seminars. They vary in size, accommodating groups from 20 to 200.

PLRB hearings held on unit's nature

(Continued from page one)

GSA, asked ihai graduate assistants and teaching assistants be included in whatever unit the PLRB designates, although the group does not wish to be a bargaining agent.

Hearing examiner Sidney Lawrence suggested that the GSA either file a separate petition to create its own bargaining unit or await a Supreme Court decision on inclusion of graduate assistants in a faculty union.

The University provided information on basic classification of employees at the opening session and, at the suggestion of Mr. Lawrence, attorneys representing all parties met Tuesday to "to determine what further information is needed and can be provided at a minimum cost to the University."

The hearing reconvened for several hours Tuesday and then was adjourned to allow attorneys to prepare their cases. Mr. Lawrence tentatively scheduled six days in February — Feb. 11-13 and 24-26 — for testimony.

WPSX highlights, January 9-14

Newsman John Wydra is the anchorman for **The People's Business: Harrisburg Report**, a new statewide public affairs series from the Pennsylvania Public Television Network, which premieres Friday, Jan. 9, at 7:30 p.m. The weekly series will focus on events and issues in Harrisburg, with additional perspectives provided by reports from PPTN member stations around the Commonwealth.

Psychologist and author Elizabeth Kubler-Ross, M.D., is featured in **Death and Dying**, a half-hour special program Sunday, Jan. 11, at 7 p.m. Dr. Ross comments on the problems of those who are dying and those who mourn. She also discusses life after death, which, she says, exists "beyond the shadow of a doubt."

The world as seen by spastics is the subject of an award-winning film on **Nova** Sunday, Jan. 1, at 8 p.m. The hour-long program is the story of 55-year-old Joey Deacon, who has been a spastic since birth. With the aid of two other spastics who portray Joey as a boy and a young man, the program chronicles the change in society's attitudes toward the abnormal over the last half-century.

The citrus industry of Florida is explored on "A Day Without Sunshine" on **The PBS Special of the Week** Monday, Jan. 12, at 8 p.m. The 90-minute documentary focuses on the economy of Florida's citrus grove industry from the points of view of both industry owners and the workers. James Earl Jones narrates.

Monday at 10 p.m., **Talkabout** continues its three-week interview with Penn State football coach Joe Paterno. In the second of three interviews, host Paul Gillette talks with Paterno about the coach's early interest in the law and his feelings about politics, leadership and today's youth. The program may also be seen Tuesday, Jan. 13, at 3 p.m., and Saturday, Jan. 17, at 1:30 p.m.

"Search for the Great Apes" is the subject of the third **National Geographic Special** on public television Tuesday, Jan. 13, at 7:30 p.m. The hour-long program was filmed in Borneo, where Birute Galdikas-Brindamour is studying the orangutan — the only living Asiatic Great Ape — and in the Virunga Mountains of Africa, where Dian Fossey is studying the mountain gorilla. Narrated by E. G. Marshall, the program is the result of a six-year filming project.

Cyril Ritchard stars as the Earl of Rochester when **Anyone for Tennyson** recreates the poetry and light verse of the Restoration poets Wednesday, Jan. 14, at 7:30 p.m. The half-hour program — part of the only national television series devoted entirely to poetry — is an original dramatization that combines the wit of the Restoration poets with the atmosphere of the times.

Beyond the Horizon," Eugene O'Neill's Pulitzer Prize-winning first play, is presented when **Theatre in America** returns for its third season Wednesday, Jan. 14, at 9 p.m. on Channel 3. Geraldine Fitzgerald and John Houseman appear with members of the McCarter Theatre Company at Princeton, N.J., in the play, which deals with a love triangle theme.

Library automation

(Continued from page one)

will provide the user with accurate, up-to-the-second information about his area of concern. LIAS will also permit library management to review the computer analysis of library performance and user trends. In this way, library management will be able with confidence to redistribute existing workload requirements and reduce operational overhead as well as relocate and/or reduce existing staffing levels to meet the changing needs of the library community.

The University Park campus will be the first to benefit from the development and implementation of LIAS. The first LIAS sub-system to be introduced will be the "Remote Catalog Access" system. This system, the computer equivalent to the traditional card catalog, will permit both the patron and the librarian access to the library's bibliographic and holdings information on all cataloged materials within the University Park libraries. Access to this information will be through the use of terminals located within the libraries and throughout the campus. A library patron will have access to each bibliographic record by Author, Title, Keyword, Call Number, LC Cerd Number and Standard Library Bibliographic Control Numbers.

The second LIAS sub-system, "Circulation and Inventory Control," will provide more efficient and faster services to the user communiiy, and li will reduce costly library overhead. Accurate information regarding the status, location and demands for any item will be immediately available to assist ihe patron and the librarian to respond to their specific needs and work assignments. Because LIAS consists of independent sub-systems, each new subsystem is designed to become an integral part and companion to existing sub-systems. Therefore, "Circulation and Inventory Control" will add invaluable assistance to the user as li marries together the "Card Catalog or Remote Catalog Access" and "Circulation Control" functions of the library creating an unified approach to library resources.

The third LIAS sub-system will support all "Technical Operations" of the library. Ordering, receiving, payment, invoicing, routing, cataloging, marking, claiming, cancellations, etc. will be done using the terminals located in processing areas. As information is recorded using these terminals, it will become available to the other parts of the library and information community who are working at terminals in other locations. As a result, duplicate files presently maintained to provide necessary control will be replaced by one integrated, computerized library data-base.

Eventual expansion of some or all LIAS sub-systems into the Commonwealth Campuses is anticipated. This is possible through the use of existing telephone facilities and the addition of more terminals and of expanded computer communication hardware. The timetable for this activity has not yet been established.

Although LIAS was designed to benefi Penn State, it also could ultimately provide improved services to other institutions of any size or in any geographic locale, providing appropriate financial resources were available. Each participating institution could benefit immediately from the improved cost performance of this support network. In addition, enhanced resource sharing and cooperative library programs can be integrated inio LIAS to consolidate the efforts and activiies of the separate libraries and insitutions within the state of Pennsylvania

Obituary

Louis A. Legory, who retired in 1968 as an associate professor of chemistry, died Dec. 17 in State College. He taught at Ogontz from 1950 to 1952 and then joined the faculty at University Park, where he supervised chemistry programs at eight Commonwealth Campuses and 33 nursing school hospitals. A graduate of Westminster College, he held a master's degree from Columbia University. For 21 years, he taught chemistry, physics, biology and general science at Trafford High School near Pittsburgh and also served as principal there. Just before coming to Penn State, he was assistent professor of chemistry at Kent State University.

Staff vacancies

Staff vacancies contained in this publication are those which generally require at least a baccalaureate degree or equivalent as a minimum education at qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in the Intercom may be found in the Penn State Reporter.

This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network Line 475-1387). Applications for these staff vacancies will be received until 5 p.m., **Thursday, Jan. 15. Do not contact the area that has the vacancy.**

SENIOR INSTRUCTIONAL SERVICES SPECIALIST — Behrend College

Responsible to the Assistant Dean of Undergraduate Studies for the Instructional Media Program in the College. Provide and encourage use of a wide variety of instructional resources by faculty and students. Investigate, evaluate and implement innovations in instructional methods and media. Provide an input concerning instructional media for long range developmental planning. Bachelor's degree or equivalent, preferably in education, instructional media, etc., and work progressing toward a master's degree, with one to two years of directly related experience. Supervisory experience highly desirable. Master's degree preferred.

PROGRAMMER, OFFICE OF PHYSICAL PLANT — University Park

Design, modify and maintain assembly language programs for the real-time Central Monitor System. Work as a member of a team to maintain a reliable and continuous monitoring and control of environmental and alarm system. Bachelor's degree or equivalent in computer science or engineering with one to two years of experience with assembly language applications, or two to three years of equivalent experience with assembly language applications in real-time monitoring or process-control computer systems

CONSTRUCTION SPECIFICATION WRITER, OFFICE OF PHYSICAL PLANT — University Park

Develops and prepares specifications for general, electrical, heating and ventilating, air conditioning and landscape construction. Makes evaluations of existing installations. Consults with architectural, mechanical and electrical designers to determine what methods and materials are most suitable for a particular construction project. Maintains current cost data on various materials and complete construction projects to assist estimating. Bachelor's degree in architecture or engineering and two to four years' experience necessary to meet all requirements for architectural and engineering registration. Extensive background in specification writing required

Funding sources

Call 865-1372 for further information

(205-1) The PHS Health Resources Administration is accepting applications for FY 1976 grants for **Traineeships for Advanced Training of Allied Health Professions Personnel (Long Term)** (deadline 1/12/76) and for **AHP Training Institutes (Short Term)** (deadline 3/2/76). (Ref. 40FR57511, 12/10/75)

(209-2) The Office of Education has issued final regulations for its **Community Education Program** to encourage and assist: (1) public schools to involve the community in educational, recreational and cultural programs; (2) to extend use of school buildings and equipment; and (3) to establish community education programs as centers for educational, recreational, cultural and related needs and concerns of the community. Also included are training projects for the people to operate the programs and assessment of training competencies. (Ref. 40FR55295-96, 12/75) (CFDA 13.563) The **March 3** closing date has also been announced. (Ref. 40FR59033, 12/22/75)

(209-3) The Office of Education has announced a Feb. 23 application closing date for grants and assistance contracts for its **Career Education Program**. (Ref. 40FR57376-77, 12/9/75) (CFDA 13.554)

(205-4) Jan. 16 is the extended closing date for new economic impact grants in the OE **Early Education of Handicapped Children** program. (Ref. 40FR57377, 12/9/75) (CFDA 13.444B)

(209-5) Applications/nominations for **State Vocational Education Programs** have been issued by the Office of Education, including changes made relating to the relationship between this program and CETA — the Comprehensive Employment and Training Act Program. (Ref. 40FR57759-63, 12/11/75) (CFDA 13.493-495, 13.555)

(205-8) The Office of Education has announced three closing dates for **National Reading Improvement programs**. Reading Academy Projects (Feb. 6), Special Emphasis Program (Feb. 27), and Reading Improvement Projects (March 16). (Ref. 40FR58338-39, 12/16/75)

(209-12) An MIT study funded by the NSF/RANN program urges that **research be done to meet U.S. economic problems rather than in such areas of study.** These range from determination of human protein requirements for all ages to development of unconventional sources and to novelive exploration. (Ref. NSF PR75-104, 12/19/75)

(209-16) The Cooperative State Research Service (CSRS) of the Department of Agriculture will award **competitive grants** for environmental quality; food and nutrition; beef and pork production; soybeans, peanut and sorghum transportation; forage, pasture, and range, and genetic vulnerability. This is the **CSRS Special Grants Program** to advance notice of letter must be received by Feb. 1, and research proposals by March 1. (Ref. 40FR59228-231, 12/22/75)

(209-17) Faculty institutes, short courses/conferences, and workshops in energy are supported by ERDA as well as **traineeships to graduate students**. The ERDA information number is 202-376-4000 (Ref. CAU Reps., 12/22/75)

PENN STATE
intercom
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An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

Model on view

A model of the University Park campus, built by William M. Elchbaum of Wilmington, Del., will be on display throughout winter term in the new HUB gallery area. The model, which consists of nine sections on plywood frames, is 11'9" by 15'9" in size and was built on a scale of 1" to 50'. The base for the model is Illustration board, which gives a vertical elevation of one-foot contours. Buildings were cut out of plastic material. The model took six months to construct, and arrangements for its placement in the HUB were made by the Office of Student Activities.

Back "La Vies" available

The "La Vie" staff has announced that anyone who would like to obtain past editions of the yearbook can do so by sending $5 per book to 210 Engineering D. Copies of all editions since 1947 are available with the exception of the 1970 edition. Yearbooks will be mailed within one month.

Retirement report ready

Copies of the annual report of the State Employes' Retirement System as of Dec. 31, 1975, are now available in the Employee Benefits Division, 133 Willard Building. Anyone interested in obtaining a copy should write or call (865-1473) that office directly.

Alard concert Jan. 21

The Alard String Quartet will perform quartets by Rossini, McCulloh and Brahms in concert at 8:30 p.m. Wednesday, Jan. 21, in the Music Bldg. recital hall. Rossini's "Quartet #3 in B Flat Major" will be followed by the first quartet by Byron McCulloh, bass trombonist with the Pittsburgh Symphony and senior lecturer at Carnegie-Mellon University. It is a traditional piece in three movements. Completing the program is the Brahms' "Quartet in A Minor." Alard Quartet members are Leonard Feldman, cello; Raymond Page, viola; and violinists Joanne Zagst and Donald Hopkins.

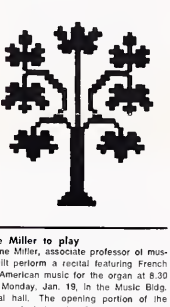
Wind ensemble to perform

A concert of 20th century American wind music will be performed by the Penn State Symphonic Wind Ensemble, conducted by Smith Toulson, assistant professor of music, at 8:30 p.m. Friday, Jan. 16, in the Music Bldg. recital hall. Featured on the program will be Persichetti's "A Lincoln Address," with narration by Robert Trehy, professor of music. The concert will open with Hanson's "Chorale and Alleluia," "When Jesus Wept" from Schuman's "New England Tryptich" and Schuller's "Meditation." Aaron Copland's "Emblems," which uses traditional folk materials in a modern way, Bennett's "Suite of Old American Dances," recalling ballroom dances of the turn of the century, selections from Leonard Bernstein's "West Side Story" and the popular "George Washington Bicentennial" by Sousa will complete the program.

Two scholarships set up

Two new scholarship funds have been established at the University in honor of former faculty members. Mrs. Wayne H. Wilson has provided a scholarship in memory of her late husband, who served as head of the Department of Landscape Architecture until his death in 1972. It will be awarded to students in landscape architecture who have achieved outstanding academic records and have financial need. The second fund was contributed by friends and students of Fred M. Coombs, professor emeritus of recreation and parks, who retired in 1972 after 26 years on the faculty. Grants will be made to superior seventh term students who have designated recreation and parks as their majors for at least three terms.

Tickets for the Feb. 6, 7 and 8 premieres of "Be Glad Then, America" will go on sale Wednesday, Jan. 28, from 9 a.m. to 4 p.m. at the Artists Series booths at the HUB and University Auditorium. Documentary filming will take place during portions of Sunday's performance. Pages 2-3 of INTERCOM this week contain several stories about the principals involved in the production.



June Miller to play

June Miller, associate professor of music, will perform a recital featuring French and American music for the organ at 8:30 p.m. Monday, Jan. 19, in the Music Bldg. recital hall. The opening portion of the program includes the Spanish composer Lidon's "Sonata in the First Mode," Guilain's "Suite of the Magnificat in the Second Mode," the prelude from Duruflé's "Suite, Opus 5" and Tournemire's choral improvisation on the Easter sequence, "Victimae Paschali." Nineteenth and twentieth century American composers featured in the final portion of the recital will be Persichetti, Stewart, Pinkham, Parker and Ives. The Stewart and Pinkham works are for organ and electronic tape.

"Hay Fever" opens

Noel Coward's "Hay Fever" opens the University Theatre's winter season in the Playhouse Thursday, Jan. 22, and will run Jan. 22-23 and Jan. 27-31. Curtain time is 8 p.m. Tickets for the comedy may be reserved at the University Theatre Box Office or by calling 865-1884.

Gallery talk

"Hugo Weber, A Retrospective Exhibition," currently on view in the Museum of Art, will be the subject of a public gallery talk by Robert H. Luck, curator of the Contemporary Wing of the Finch College Museum of Art, at 7:30 p.m. Thursday, Jan. 22, in the Museum. Mr. Luck was for 14 years a special representative of the American Federation of Arts, to which he is currently consultant and advisor. Educated at the Albright Art School of the University of Buffalo, Harvard University, and Instituti Meschini, Rome, he has been on the faculties of Parsons School of Design and the University of Toledo and was director of the Telfair Academy of Arts and Sciences and the Akron Art Institute.

Senate Report: Input sought

The University Faculty Senate is seeking input from faculty and students on two matters currently being studied by its Committee on Undergraduate Instruction.

Dr. Thomas E. Daubert, committee chairman, asked that persons having thoughts on the length of the Summer Term or the new final examination policy should relay them, preferably in writing, to him as soon as possible at 165 Fenske Laboratory.

The committee is scheduled to present its recommendations on the two issues at the Feb. 3 meeting of the Senate.

SUMMER TERM — In light of President Oswald's decision on the academic calendar, the Committee on Undergraduate Instruction was asked to study the summer term and make a recommendation on an eight or ten-week term.

Noting that a study last year found a six-week summer term to be unsatisfactory, Dr. Daubert said the Senate action would have an impact on four major groups — incoming freshmen, continuing undergraduate students, continuing graduate students and public school teachers in the College of Education's summer program.

The Committee has received student input from the President's Academic Council and has been in contact with the Council of Academic Deans. It also has received information from the Graduate School and the College of Education.

FINAL EXAMINATION POLICY — A new Faculty Senate policy for all undergraduate courses except laboratories, precticums and individual projects is scheduled to go into effect in fall term, 1976.

Under the policy, final exams must be given in all courses unless the department head grants an exception for justifiable academic reasons. Comprehensive final exams may be given only during the Final Examination Period. A non-comprehensive last exam may be given during the Final Examination Period or the last week of class if the department head grants an exception for justifiable academic reasons.

Since its adoption, the new policy has come under scrutiny, and the Senate was asked by President Oswald to re-examine the policy, clarify it and develop some recommendations.

The current thinking of the Committee on Undergraduate Instruction is to revise the new final examination policy somewhat and also to propose a general student examination philosophy.

Members of the Committee, besides Dr. Daubert, are George H. Bouwmen, Joseph F. Douglas, Robert E. Dunham, Elizabeth G. Ellis, Donald H. Ford, George W. Franz, Chester J. Gregoreski, Marjorie M. Knoll, Stephen R. Lyon, Richard L. McCarl, Andrew Pytel, Paul R. Shellenberger, John M. Simpson, Phillip E. Stebbins and Harvey W. Wall.

Senate retains amended pass-fail

The University Faculty Senate has moved to retain the amended pass-fail grading system, but deleted a requirement that all courses scheduled for pass-fail be electives.

The action came following lengthy discussion at Tuesday's Senate meeting. Further action on the Pass-Fail system is anticipated, however, as the Senate asked a subcommittee to determine exactly the definition of an elective.

In discussion of an informational report from the Senate Committee on Planning and Development, Ralph E. Zilly, vice president for business, told the Senate that new residence halls will not be constructed to meet the demand for on-campus housing.

He said the suggestion was one of four made in a housing report presented at the November meeting of the Board of Trustees and was discarded along with another on the establishment of temporary housing. He said the University is moving ahead on two other suggestions — a new reassignment policy and extension of existing space in the residence halls.

In other action, the Senate:

—Approved a revised policy on deferred grades which provides that, if for some reason beyond the student's control, a student is prevented from completing a course within the prescribed time, the grade in the course may be deferred with the concurrence of the instructor, except under emergency conditions when the instructor is unavailable, and upon authorization of the proper administrator.

—Approved a policy on corrected grades in which students have one year in which to discover any error in grading. If the original instructor cannot be contacted, the grading issue is presented to the instructor's department head for action.

—Approved a revised late course add policy under which a student cannot add a course after the 10-day add period unless it was an individualized instruction course, or a course in which the student is advised to move to a higher or lower level, or if permission is obteined from the instructor and the appropriate administrator.

—Approved a grading system for candidates for the M.D. degree. Students will be given an "H" — Honors (with Outstanding work), "P" — Passing grade, and "F" — Failing grade

Retention rate study completed

More than 82 percent of the baccalaureate degree freshmen enrolling at the University, including the Commonwealth Campuses, in the fall of 1974 were still enrolled at Penn State when the fall term began in 1975.

This is reported by Dr. T. Sherman Stanford, special assistant to the senior vice-president for University development and relations, in an updated retention study made by the Records Office.

The rate is under that of a year ago, when the University had the highest retention rate of the last seven years — 87.4 percent. The rate for freshmen enrolling in 1972, however, was the lowest for the seven-year period — 78.5 percent. Rates for previous years were 80.6 percent for the class entering in 1971; 85.7 percent for 1970; 85.6 percent for 1969; and 85.4 percent for 1968.

Analyzing the retention rates, Dr. Stanford says that those for the classes enrolled as freshmen in 1968, 1969 and 1970 were relatively stable as they progressed through the system year by year and thus were dependable in making enrollment projections.

For the class, beginning in the fall of 1971, the retention rate dropped sharply, and the following year, there was a further

(Continued on page four)



Be Glad Then America

A Decent Entertainment from the Thirteen Colonies

by John LaMontaine

This is John LaMontaine's account of his preparations for the writing of "Be Glad Then America". It will appear as part of a 44-page softcover edition of the libretto which is being published by the University. Included are the complete text which will be sung, the composer's notes on the original source materials, an introductory essay by Mr. LaMontaine, a synopsis of the work and the cast of characters. There will also be illustrations of several manuscript pages from the working score and of such original source materials as early colonial broadsides.

The colonists themselves are the ones who could have done it best; they had all the material at their fingertips marvelous, vivid, dramatic, songful materials. They lacked one essential ingredient — psychic distance.

Two hundred years later, when The Pennsylvania State University asked me to compose such a work, I tried to dodge the issue. A patriotic work? Now? Too complicated, too difficult, too time-consuming — a way to get lost in an avalanche of chauvinistic, jingoistic products for an "occasion." Respected friends convinced me that serious composers, too, owe an honest salute to those men and what they did, so I tackled it. From the first I wanted to get the ring of truth, and for that there is only one way: to go to the original sources. I would have to immerse myself in a subject for which I had little love or aptitude: history.

There was no choice but to embark on a disciplined course of reading unlike anything I had ever tried before. At first I forbade myself anything **about** the Revolution. No history books (that was easy), no essays, no commentaries, no analyses. All I wanted was the direct testimony of the time, what they said and wrote and did, as reported immediately after the doing.

The Colonies had a surprisingly large number of newspapers. New York had five, Boston six, Philadelphia four. I read issues covering a period of twelve years, from 1764 to 1776, copying by hand or machine everything that shed light on or gave color to the times. The richness of what I acquired was far greater than could ever be used. It was almost as though I lived through those times.

Next I turned to the Colonial records, and those of Pennsylvania were the best; vivid, exact language, covering every sequence of events. Sitting in the reading room of the American Philosophical Society in Philadelphia, founded by Benjamin Franklin, I found these words of 1778 that would set the tone and keynote for the drama and give it a frame. "The Supreme Executive Council of the Commonwealth of Pennsylvania took into consideration the propriety of commemorating the Anniversary of Independency now approaching, Ordered that Provison be made for a **decent entertainment** on the 4th of July next." That is what I could try to do; create an entertainment such as the colonists might have made for themselves about the events they knew so well. This started me on a long adventure. The preliminary reading alone was to take one year and one month.

And how rich it was! Everything was there, even stage directions. Thousands of pages of documents were ordered from the Library of Congress, the New York Public Library, The Library Company of Philadelphia, The Libraries of The Pennsylvania State University, The New York Historical Society. I never went to bed without a sheaf of documents and a marking pencil. Every time I found a phrase that could be sung and would advance the action, I had to underline it in red.

The newspapers had led me to the broadsides — direct testimony of events the week they happened. These handbills were tacked on fenceposts and on Liberty Trees. And the Liberty Tree itself became an important symbol where the Sons of Liberty assembled and pledged their fortune and their honor in the cause of liberty.

The speeches of the Patriots, on fire with insurrection, had to be read, the sermons, the poetry, particularly the works of Philip Freneau, who more than anyone was the Muse for America in those days — all demanded my attention. And the doggerel — it was everywhere, and everywhere delightful. My red pencil was always underlining. If I couldn't get photostats, I had to buy the books, because the marking pencil was essential. In such a sea of material, how would I otherwise ever be able to find those rich, pregnant phrases again? Writing the libretto was not only as important as writing the music, it was part of it. One grows from and into the other.

Then the laws of the time had to be tackled, probably dreary stuff. But not at all! A mother-lode! In my most extravagant dreams I never thought that in the Stamp Act and the Townshend Act (Tea) I would find fast-moving patter-songs, full of color, invention, alliteration, rhythmic bounce, delight, and humor. Setting the laws to music was as much fun as I have had.

And then the letters. What a lucid, brilliant, communicative bunch our ancestors were! And their letters were fully matched by those of King George. His twelve-volume correspondence belies everything we learned about him in school. He has been maligned by history. His ability to sum up a situation with exact, brief, and vivid clarity is the match of the ablest men of any age. His intelligence and the range of his interests were vast. And his comprehension and prescience were beyond those of all but a few of his contemporaries. His sentence, "This Island, reduced to itself, would be a poor Island indeed," foreshadows Churchill, and has the tragic-long view of history of a Seer. I realized that it was the King himself who must be considered the chief protagonist for the English side of the struggle, and that his own words would supply everything needed for his role in the drama. I came to believe that had he come to America for a first-hand view, the Revolution might never have taken place. This is the tragedy that is central to the drama: the aristocratic tradition locked him in isolation from events which he hears of but does not see, an isolation stemming from his mother's admonition, "Be a King, George, Be a King."

The letters, the laws, the speeches, the poems, the doggerel, the broadsides, the newspapers — I went to all those sources not as a scholar but as a thief, taking what I needed and enjoying the sheer fun of doing it.

All that I read served to show that our ancestors were not the plasterboard heroes we had learned to revere. Their idealism, even among the greatest, often cloaked land-grab and self-interest, their self-interest, their unwillingness to assume responsibilities, and their demand for privilege were sometimes preposterous. I felt that a picture which did not show their frequent vulgarity and destructiveness would simply not be true, and would lack the light and shadow to put their blazing idealism in strong relief. Recollection of the destruction of the home and irreplaceable papers that Governor Hutchinson had collected for a history of Massachusetts is a pain that I can't get out of mind. And yet in the end I did revere our ancestors. By their deeds and by the brilliance of their thought, they set before humanity, more clearly than ever before or since, the highest goals of men and governments.

But how was I to get all this into music? I felt confident that once I was completely immersed in the subject, the music would begin to grow from the material itself, and that in truth is what began to happen. It did not seem worthy to try to write a pastiche of the music of the period, but I did want the music to be rich in the flavor and connotations of the time. So I tried to go over all the music published in America before 1800. It must be admitted that most of it is either derivative or weak, minds were on other matters. But there was one great incredible standout: William Billings. I decided very early that something of his would become a cornerstone for my musical dramatization. The influence of Billings is strong in what I have written. His great hymn, "Chester," became the symbol for the Patriots' striving for Liberty, recurring in varied form at each step in the growth of the idea.

I recall now the excitement of discovery as I read and wrote. I had found a key. The life and vitality of Revolutionary times were to be found in what the people themselves said and wrote and did — all incomperably more vivid than anything that has been written **about** it since. It was their words alone that I set to music, their words that ignited a Revolution.



John LaMontaine

Looking at the produ

Raymond Brown

"The wonderful thing is to know that you're having one of the most exciting experiences you'll ever have, and to know it while it's happening," Raymond Brown reflects on the final weeks leading up to the production of "Be Glad Then America."

The production has special significance for the director of the University Choirs; it was his memo written five-and-a-half years ago that began the process that will culminate in the February premiere of a major new musical work. And it is Mr. Brown's 200-voice choir that will play the principal role in the production.

"They represent the people," he explains, "and after months of rehearsal, we're coming to realize that the three most important words ever written may be 'we the people' — maybe even more important than 't love you.' "

At the beginning of the work the people are divided into two groups — loyalists and rebels. Because Miss Caldwell won't decide the make-up of these groups until late in the rehearsals, the entire choir has learned both roles.

The University Choirs are well known for their on-stage appearances in concert. But the LaMontaine work is the first in which most members have ever been called upon to act as well as sing. To prepare them, Miss Caldwell initialed a program of theatre games, which requires the students to act out various situations as they perceive them.

"As we were rehearsing the music, although it was going along all right, I was never quite sure if the kids were really involved in it," Mr. Brown confides. "So I was somewhat skeptical about whether these kids, most of whom had never been on stage in their lives, would get excited by theatre games. The response has been incredible. They're totally involved."

The music totally involves Raymond Brown. "It's exciting, wonderfully exciting, and it never stops being so," he relates warmly. "I rather expect that not even John LaMontaine realizes what a good work it is.

"A tune by the revolutionary composer William Billings is repeated at various stages throughout the work," he concludes, "and we're hoping that when we get to its final appearance, the entire audience will join in singing it. I think they'll want to, and if they do, it will be just magnificent."

W. E. Crocken

Willie Crocken leaps back from a desk piled high with work and confesses: "I'm actually dreaming about it now. They're not nightmares yet, but I dream a lot."

It is no surprise that "Be Glad Then America" has invaded Mr. Crocken's sleep. It has occupied most of his waking hours for many months.

The official program will list him as general manager (a position he holds for all University and Festival Theatre productions.) In fact, on this show he has been serving as producer Walter Walter's alter ego.

To mesh all the elements of a major production in a few full rehearsals requires massive preplanning, including coordinating the activities of many different professionals not only here but throughout the east. Heading that group is Sarah Caldwell.

"Working with Sarah is an unusual experience," Mr Crocken muses. "She's an organic kind of person. She doesn't go in to a show with fixed ideas about how it should look. She likes to create and develop ideas right up until the curtain rises."

This somewhat unorthodox approach to directing has posed some problems for the production team. "For example, to date we've had Plans A, B and C with costumes," Mr. Crocken notes.

"Plan A, which was developed about three months ago, called for everyone in costume as true to the period as possible. But we're renting most of our costumes and when we went to the sources available, we found that nearly all the clothes were for middle and upper class citizens and there was practically nothing for the working classes who played such a major role in the Revolution. At the same time

from three points of view

our dressing rooms in the auditorium could accommodate only about 40 persons, with no room for the other 200 people.

"Plan B was to merge 200 years, in that some people would be costumed in the period and some would wear what we call 'Penn State mufti' — blue jeans, granny dresses and the like," he goes on. "This transitioned to Plan C, which is where we are now. Some people start in costume, but most are in mufti. However, everyone ends up with elements of costume.

"We don't know yet which members of the chorus will play which roles," Mr. Crocken adds, "so to solve this problem we've adopted the 'Cinderella approach.' We have say 50 different trunks with different parts of costumes in each. When a singer is assigned a role, we pull something from one trunk, something else from another and hope it all fits."

"We figure we'll have three weeks at the outside to do all the matching up," he concludes, "and of course, you have to remember that in planning all this we've been dealing with Sarah in Boston, the costume designer Constance Mellen in Washington, a wig-maker and makeup specialist from Illinois, six costume sources scattered throughout the east, and two assistant costumers who haven't yet been named."

Willie Crocken pauses and chuckles: "In a job like this, you learn to laugh."



One of **Bill Allison's sets**

William H. Allison

Scenic designer William Allison has been part of "Be Glad Then America" from the start. As associate director of Penn State's institute for the Arts and Humanistic Studies which commissioned the work, he made the University's first official contact with composer John La-Montaine in December, 1972. This spring he met Sarah Caldwell and became set designer for the production.

Mr. Allison is a professor of theatre arts and a veteran of many design jobs here and elsewhere. But this one has been unique.

"I've found the experience different from usual scene design associations in that Sarah and I have had only intermittent contact," he says. "We'd talk about something, then go our own ways and not see each other for weeks or even months. But when we came back together, we'd find that our thoughts had been progressing very much along the same lines for both of us. It's been a strange relationship in that way, yet quite a good one."

The set for "Be Glad Then America" is the first one designed especially for a theatrical production in the University Auditorium.

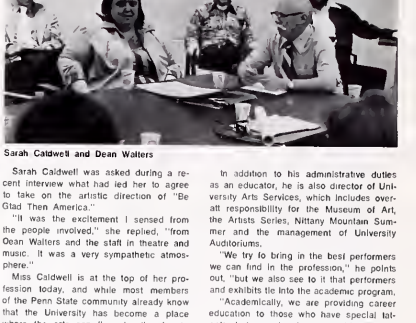
"So the design was a special challenge," Mr. Allison reflects. "It's a big auditorium and a big stage, and unless the set you put in there comes to terms with the scale and proportions of the building, it's less than satisfactory. I've made every effort possible in dealing with these conditions."

The show has a big cast as well. "We have 240 singers," Mr. Allison notes, "and we had to make room for them to move about and use the auditorium. At the same time, though, we need a set that works well when an individual or small group takes command onstage. That bridge from very large groups to the individual has been one of the most difficult aspects of the design problem."

Mr. Allison did most of the design work at Penn State, but the set was built in Miss Caldwell's shop in Boston. He travelled there frequently to supervise construction and to do the painting.

After months of close association with the show, does he have a particular moment that he is waiting to see? "Not really; I've tried to approach the whole work equally as a design problem," he explains, adding, "but I think the audience will particularly enjoy the Battle of Lexington. It'll have explosions and smoke effects and should be a fine, noisy spectacular climax to the evening. I find that in meetings where we dwell on this scene, Sarah begins to talk of it with a special kind of excitement. She seems to take particular delight in it and sees it all banging and lighting and whirling."

The arts — a new atmosphere



Sarah Caldwell and Dean Walters

Sarah Caldwell was asked during a recent interview what had led her to agree to take on the artistic direction of "Be Glad Then America."

"It was the excitement I sensed from the people involved," she replied, "from Dean Walters and the staff in theatre and music. It was a very sympathetic atmosphere."

Miss Caldwell is at the top of her profession today, and while most members of the Penn State community already know that the University has become a place where the arts can flourish, it's nice to hear a demanding professional confirm it. It hasn't always been that way.

As recently as the early fifties, there was no crossbreeding in the arts at Penn State. Indeed, powerful department heads actively blocked efforts at cooperation; there was no real Artists Series — only a few outside performers visited the campus; art exhibits were rare events; and adequate theatrical facilities did not exist.

"In any arts endeavor, there has to be somebody who pushes like hell," says Dean Walter H Walters of the College of Arts and Architecture. And during his 25 years at Penn State, Dean Walters has done his share of pushing to create the environment which initially attracted Sarah Caldwell.

Penn State's School of the Arts — including departments of art, music and theatre — was founded in 1956, with the late Albert Christ-Janer as director.

"When Albert came, he had some very conservative people to deal with," Dean Walters recalls. "He was sometimes rash, and he became very controversial. But he really sparked something great for the University, and we owe him quite a debt."

Dean Walters thinks that perhaps the most significant break for the arts occurred in 1958 when Mr. Christ-Janer got the Mateer family to give Penn State $10,000 to lease the Standing Stone Playhouse, a popular summer stock theatre located near Neffs Mills, about 18 miles from State College.

"There was a great deal of suspicion in other areas of the county that professionalism would go down the drain after we took over Standing Stone, and at first the audiences stayed away in droves," Dean Walters continues. "I was head of theatre arts at that time, and we had to prove that the University could be in with a professional company and produce good shows.

"Well, we did, and pretty soon we were being offered every barn on campus to use as a theatre. McKay Donkin, the late vice president for finance, got the idea for converting the stock pavilion to a theatre and also helped gather funds for the arts complex."

The next important step for the arts came in 1963 with the creation of the College of Arts and Architecture. Jules Heller was its first dean.

"Having a College brought the educational aspects of the arts into focus," Dean Walters notes. "It is very necessary to provide the right combination of the professional and educational in the arts. Because of unions, contractual obligations and stars, there has to be a separation between the two areas, but one person should be able to administer both."

A native of Troy, Ala., Dean Walters has moved easily between the two areas. He has a Ph.D. in literature and drama from Western Reserve and has written, directed and acted in the theatre.

In addition to his administrative duties as an educator, he is also director of University Arts Services, which includes overall responsibility for the Museum of Art, the Artists Series, Nittany Mountain Summer and the management of University Auditoriums.

"We try to bring in the best performers we can find in the profession," he points out, "but we also see to it that performers and exhibits tie into the academic program.

"Academically, we are providing career education to those who have special talents, but we also have an obligation to those students who will one day be voters or civic leaders — in other words, to the general public. So we teach more than 26,000 students a year in our arts courses, I know of no other university where the arts are that integral a part of the curriculum or are taught on that scale.

"I think that over the last ten or fifteen years, the arts have also become very much a part of the life of the surrounding area. We have such strong and successful community programs as the Central Pennsylvania Festival of the Arts, which I consider the best of its kind in the Commonwealth. I wonder without the visibility that the University has given to the arts if it would be as strong as it is."

Dean Walters — he assumed his present post in 1963 — believes that the University's isolated location has actually been a plus in the growth of the arts at Penn State.

"Because we're not in a metropolitan area where a lot of things are going on, we have to create art for ourselves," he explains. "We wouldn't have a professional theatre if we were in a city, and our Museum wouldn't do the shows it does. There are some disadvantages, of course. Right now, we're having trouble arranging to get critics in for the premiere of 'Be Glad Then America' because of the transportation difficulties."

One of the achievements of which Dean Walters is most proud is his founding of Nittany Mountain Summer, which for the last two years has brought the Pennsylvania Ballet and its ballet school to campus for three weeks and the Pennsylvania Orchestra short sleeve concerts. It has presented the popular Renaissance Band, and sponsored a series of special Pennsylvania-geared exhibits at the Museum of Art.

"A great university has an obligation to extend itself during certain times of the year when the population makes it different," Dean Walters says. "I believe that Penn State should grow to be the leading center for the performing and visual arts in the State.

"We have had great support from the University administration; our Office of Gifts and Endowments has really helped elevate the arts; and we are getting recognition outside, too. Our students are well received wherever they go. And when the National Association of State Universities and Land-Grant Colleges recently established a Commission on Fine Arts, I was named as the first chairman. The College student and faculty concerts and exhibitions have never been better or more popular. Our Artists Series has practically sold out the last two seasons, and our audiences have become more and more discriminating. The Museum attendance increases at the rate of over 30 percent a year. Auditorium use is booming. Just try to get a ticket to the Festival Theatre!

"Ideally this is the way it should be. The arts are essential in a good society; they are absolutely normal and necessary."

Excerpts from Sarah Caldwell

On "Be Glad Then America":

What's most interesting about the production is that it's a unique situation, a collaboration between a great symphony orchestra, a university and an opera company. It's a healthy situation, the kind of thing we'll see more and more of.

On the Bicentennial:

The Bicentennial is a passing event, maybe an important event, and it certainly should be properly celebrated artistically. It is not being celebrated artistically in many parts of the country because the funding has been very disappointing. This ("Be Glad Then America") is one of the few Bicentennial events which is completely appropriate to the occasion. It's a distinguished piece which has grown out of a real concern for those events which led up to the Revolution. It's the product of a great deal of research and imagination and will certainly have a place in our literature.

On the score:

I find it difficult to talk about music; it's often misleading. But this piece has some very interesting aspects. I think it's fun that we have a very distinguished British tenor, Richard Lewis, to sing the role of King George; it will help create a sense of reality. Then Donald Gramm, who is one of the most talented singing actors in the world, is creating a vast gallery of American patriots — Thomas Paine, Samuel Adams, Patrick Henry, a tea addict, a minister, etc. The Muse of Liberty is a folksinger. I think the piece is a little bit Brechtian. It's anecdotal, but it all adds up to a musical, dramatic collage of emotion that leads to a real burst of rebellion. The only thing I don't like about the piece is its name. I wanted to call it "The Revolution."

On getting into State College:

I don't understand why a great and famous university with an enormous student body seems to be serviced by only one bus.

University Park Calendar

January 15 - 25

Items to be included in this calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, Jan. 15
Commons Videotape, 12 noon, Kern lobby
FSHA 410 dinner, "Renaissance Italy," 5:30 p.m., Maple Room, Henderson Human Development. Reservations: 865-7441.

Friday, Jan. 16
Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.
GSA Commonplace Coffeehouse, 8 p.m., Room 102 Kern.
Recreation and Parks Society Professional Careers Conference, 8 a.m.-5 p.m., HUB ballroom.

Saturday, Jan. 17
Sports: Men's basketball, vs. Muhlenberg, 2 p.m., Rec. Bldg. Women's and men's bowling, PSU Invitational, 3 p.m., Rec Bldg. Women's and men's swimming, vs. Pittsburgh, 2 p.m.
Un-Common Dinner-Theatre, "6 Rms Riv Vu," 6:30 p.m., Rooms 102 and 112 Kern.
Campus 4-H Club '50's Record Hop, 7 p.m., HUB ballroom.

Sunday, Jan. 18
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Hugh Brooks, recreation and parks
Black Christen Fellowship worship service, 11 a.m., Walnut Bldg. Cultural Center.
Marilyn Manning, flute, 3:30 p.m., Music Bldg recital hall
Un-Common Dinner-Theatre, "6 Rms Riv Vu," 6:30 p.m., Rooms 102 and 112 Kern.

Monday, Jan. 19
Library Seminar, "Education Reference Materials," 7 p.m., Room W110 Pattee.
Sports: Men's basketball, vs. Gettysburg 8 p.m., Rec Bldg.
June Miller, organ, 8:30 p.m., Music Bldg. recital hall.

Wednesday, Jan. 21
"Noondays" devotional period, 12 noon, large chapel, Eisenhower Chapel.
Sports: Men's and women's bowling, PSU Invitational, 1 p.m., Rec Bldg.
FSHA 410 dinner, "France," 5:30 p.m., Maple Room, Henderson Human Development. Reservations: 865-7441.
University Theatre, "Hay Fever," special student preview, 8 p.m., Playhouse Theatre.
Alard String Quartet, 8:30 p.m., Music Bldg recital hall.

Thursday, Jan. 22
Commons Videotape, 12 noon, Kern lobby
FSHA 410 dinner, "Early England," 5:30 p.m., Maple Room, Hendeison Human Development. Reservations 865-7441.
Gallery talk Robert H Luck, curator, Finch College Museum of Art, on "Hugo Weber· A Retrospective Exhibition," 7:30 p.m., Museum of Art
University Theatre, "Hay Fever," 8 p.m., Playhouse Theatre.

Friday, Jan. 23
Campus 4-H Square Dance. 7:30 p.m., HUB ballroom.
University Theatre, "Hay Fever," 8 p.m., Playhouse Theatre.
GSA Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, Jan. 24
Sports: Women's fencing, vs Ohio State 9 a.m., White Women's basketball, vs Ithaca, 2 p.m., White. Men's basketball vs. West Virginia, 2 p.m., Rec Bldg. Men's fencing, vs. William Paterson, 2 p.m., Rec Bldg. Men's swimming, vs Bloomsburg State, 2 p.m. Men's and women's gymnastics, vs. Ohio State, 2 p.m., Rec Bldg.
University Theatre, "Hay Fever," 8 p.m., Playhouse Theatre
PSU Symphony Orchestra, 8:30 p.m., Schwab.

Sunday, Jan. 25
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Robert A. Raines, director, Kirkridge Retreat and Study Center, Bangor, Pa.
Black Christian Fellowship worship service, 11 a.m., Walnut Bldg. Cultural Center.
Alpha Chi Omega "Greek Sign," 2-4 p.m., HUB ballroom.
Artists Series, Igor Kipnis, harpsichordist, 8:30 p.m., Schwab.

Seminars

Thursday Jan. 15
Chemistry, 12:45 p.m., Room 333 Whitmore. Manfred A. Biondi, University of Pittsburgh, on "Atomic Collision Phenomena Retailing to Lasers and Planelary Atmospheres."
Physics, 3:50 p.m., Room 117 Osmond. R. Arnowitt, Northeastern University, on "Gauge Theories and Supersymmetries."
Statistics, 4 p.m., Room 75 Willard. Gregory Reinsel, Carnegie-Mellon Institute, on "Estimation of Linear Time Series Models."
Meteorology, 4 p.m., Room 26 Mineral Sciences. Alan Dittenhofer on "Precipitation Chemistry of Western New York."
Mathematics, 4 p.m., Room 116 McAllister. John Steal, SUNY at Buffalo, on "Logic."
Computation Center, 7:30 p.m., Room 105 Osmond. "Mathematical Programming (4)."
Ceramic Science, 11 a.m., Room 301 Mineral Industries. David C. Lynch, graduate assistant, materials science and engineering, MIT, on "Kinetics of the Desulfurization of Large Particles of Calcium Sulfide in Oxidizing Almospheres — a Preview Look."
Anthropology, 3:30 p.m., Room 107 Social Science Bldg. Dr. Frederick R. Matson, archaeology, on "Traps and Clues for Anthropologists Speaking at Professional Meetings."
Philosophy, 4 p.m., Room 167 Willard Edward G. Ballard, Tulane University, on "Phenomenology of Time."
Ionosphere Research Lab., 4 p.m., Room 329 Electrical Engineering East. Manfred A Biondi, University of Pittsburgh, on "Laboratory Determination of Temperature Dependence of Reaction Rates of Aeronomical Interest."

Friday, Jan. 16
Bioengineering, 3 p.m., Room 329 Electrical Engineering East. Dr. R J. Forstiom, mechanical engineering, University of Minnesota, on "Fluid Mechanics and Atherosclerosis."

Monday, Jan. 19
Computation Center, 7:30 p.m., Room 105 Osmond "PSU Structured WATFIV (1)."
Entomology, 4 p.m., Room 204 Patterson. Dr. G. L. Bush, Erie County Research Lab., on "Grape Insect Research in Pa.: Past, Presenl and Future."

Tuesday, Jan. 20.
Plant Pathology, 9:45 p.m., Room 213 Buchhout. Donna Evans on "Morphological Resistance."
Water Pollution Control. 2 20 p.m., Room 101 Chambers. "Subsurface Disposal Systems — Selection and Treatment"
Aerospace Engineering, 4 p.m., Room 232 Hammond. M. C. Cheney, Chief, Aerodynamics Section, United Technologies Research Lab., East Hartford, on "Helicopters. How Much Moie R&D?"
Inorganic Chemistry, 8 p.m., Room 33 Whitmore. Di George Shier, Dow Chemical Co., on "Palladium Catalyzed Reactions of Allenes."

Wednesday, Jan. 21
Biochemistry, 4 p.m., Room 101 Althouse. Kenneth Drehei on "Structural Analysis of Immunoglobins."
Fuel Science, 4 p.m., Room 244 Deike. Swadesh Raj, graduate student, on "Chemical Structural Parametels of Coal."

Thursday, Jan. 22
Chemistry, 12:45 p.m., Room 333 Whitmore. Karl McDow, Princeton University, on "Studies in Stereochemistry."
Joint Physics and Astronomy Colloquium, 3.50 p.m., Room 117 Osmond. D. H. Koch, astronomy, University of Pennsylvania, on "Stellar Polarization Effects and Circumstellar Scattering in Binary Stars."
Computation Center, 7:30 p.m., Room 105 Osmond. "PSU Structured WATFIV. (2)"

Exhibits

Museum of Art: Recent Sculptures by John Cook. Hugo Weber: A Retrospective Exhibit.

Zoller Gallery: Student Paintings and Ceramics Exhibition, through Jan. 17. Student Sculpture Exhibition, opening, Jan. 18.

HUB Gallery: Free U Art Show. Mike Lorentino through Jan. 17. Jack Tait, American Profiles of Merchant Seafarers, 1794-1803 (Smithsonian Institution), opening Jan. 18

Kern Gallery: Central Pa. Scholastic Art Show.

Chambers Gallery: Musical Instruments.

Hammond Gallery: Selected projects by Mitchell/Giurgola Architects, Philadelphia and New York, through Jan. 19.

Meetings

Monday, Jan. 19
Color Slide Club, William Davis on "Selection, Staging, and Judging a Photographic Show." 7:30 p.m., Room 112 Kern.

Tuesday, Jan. 20
GSA Council, 7 p.m., Room 101 Kern.

Tuesday, Jan. 20
Senate Council, 2 p.m., Room 101 Kern.

Films

Wednesday, Jan. 21
GSA Commonplace Theatre, "I Am a Fugitive from a Chain Gang," 7:30 and 9:30 p.m., Room 112 Kern.

Saturday-Sunday, Jan. 24-25
Hillel Foundation film, "Kazablan," 7:30 and 9:30 p.m., HUB assembly room.

Staff vacancies

Staff vacancies contained in this publication are those which generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in the Intercom may be found in the Penn State Reporter.

This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (Network Line 475-1387) Applications for these staff vacancies will be received until 5 p.m., **Thursday, Jan. 22. Do not contact the area that has the vacancy**

PROJECT ARCHITECT, PHYSICAL PLANT — University Park

Develop drawings and specifications for maintenance, alterations and selected NEW construction projects for the University, including development of details, selection of materials, and construction methods and specifications. Duties include the supervision (as directed) of other design and engineering personnel in the development of plans and specifications. Bachelor's degree or equivalent in the field of architecture or architectural engineering, plus two to four years related experience as an architectural designer and draftsman. Applicant should also possess a working knowledge of structural and mechanical systems. Applicant should be a registered architect, or equivalent. Some supervisory experience is also desired.

MECHANICAL-ELECTRICAL DESIGNER, PHYSICAL PLANT — University Park

Design and prepare working drawings and specifications for a variety of systems such as heating, ventilating, air conditioning, plumbing and electrical. Prepare special studies and written reports as required. Bachelor's degree and two to four years' directly related experience in the development of mechanical and electrical designs for the building trades. Superior drafting ability essential

PROGRAMMER ANALYST, COLLEGE OF AGRICULTURE — University Park

Confer with project personnel to determine the objectives of the study, anticipated results, degree of confidentiality and use of project data. Develop new computer programs and upgrade, maintain and adapt existing programs. Plan logical steps to solution of problems, use of computer systems components, input and output data formats and translate plans into computer instructions. Advise and assist researchers in the efficient execution and the debugging of programs. Analyze projects with large data sets to arrive at reliable time and estimates by predicting an adequate number of the appropriate type of personnel and estimating the necessary machine time. A bachelor's degree with a major in mathematics, statistics or computer science or equivalent and from one to two years of related programming experience is required.

COORDINATOR-RESEARCH FUNDS, COLLEGE OF EARTH AND MINERAL SCIENCES — University Park

Responsible to the Associate Dean for Research for administrative and staff functions in the business operations of sponsored research in the College of Earth and Mineral Sciences and for other related duties. Bachelor's degree in business administration or equivalent and over two and up to including four years of effective administrative experience is required.

Retention study

(Continued from page one)

decline to the low of 78.5 percent. The decline in retention also was evident for other classes.

This general loss in retention was a national phenomenon experienced at many other universities across the country.

For unexplained reasons, there was a sharp increase in retention at the end of the first year for freshmen entering in 1973, the rate being 87.4 percent, which resulted in a surprising increase in enrollment figures for the fatt term of 1974. A decline to 82.3 percent was reported tast fatl for freshmen who entered in 1974

"The only consistency in the student retention rates," Dr. Stanford says, "Is the inconsistency."

Di. Stanford's study also ind.cated that after four years, 57.9 percent of the class entering in 1968 had graduated, and by the next year, 65 percent had gradualed. A total of 2.2 percent had graduated at the end of three years.

Graduation rales foi oiher classes were. 1963, 2.7 percent aller three years, 52.1 percent after four years, and 63.7 percent after five years. The class entering in 1970 showed 5.2 percent; 57 percent; and 62.9 percent. For the class entering in 1971, only 47.4 percent had gradualed by 1975, after four years, reflecting the loss in retention beginning in 1972

Funding sources

Call 865-1372 for further information

(210-2) The U.S. Army Research Office (ARO) has issued an update to its publication, **Basic Research Problems of the U.S. Army.** Another brochure, **Basic Research Grants & Contracts,** acquaints scientists with the ARO basic research support program. The **Basic Research Proposal Form** (ARO Form 61, Revised) should be completed (program regulations are contained in **R&D Grants to Nonprofit Organizations for Support of Scientific Research**) (AR. No. 70-5, 6/1/73)

(210-3) The closing date for **OE demonstration centers for the physically disabled** has been extended from Jan. 15 to Feb. 20. (Pbl. 41FR03, 1/5/76) (CFDA 13.520).

(210-4) Feb. 15 is the deadline for **NASA & ASEE Summer Faculty Fellowships** for faculty who are U.S. citizens and (preferably) have two years of teaching experience. Two general programs are offered: **engineering systems design** and **aeronautics and space research.** For application forms and information, call the American Society for Engineering Education (202-293-7080).

(210-5) Deadline date for the **USAF-ASEE Summer Faculty Research program** is Feb. 1. The prog.am is open to U.S. citizens, preferably with two years of teaching experience with a Ph.D. About 50 appointments will be made, 20 at Wright Patterson AFB and 30 at other locations. For the Wright Patterson program, call Dr. Cecil O Bailey at Ohio State (614-422-1188, for the non-WP program, call J. Fred O'Brien, Jr. at Auburn (205-826-4370) (Ref. ASEE announcement)

Obituaries

Ridge Riley, who retired in 1970 after 2 years as executive secretary and treasurer of the Alumni Association and who since 1971 has been a trustee of the University died Jan. 6 in State College at the age of 68. Following his graduation from Penn State in 1930, Mr. Riley served as manager of the Student Union and graduate manager of student publications and from 1934 to 1943 was director of sports information and assistant director of the Department of Public Information. He moved to the Alumni Association in 1943. In 1938 he initiated a Football Letter for Alumni Association members, and he continued to write the letters each week during football season — his letter on the Sugar Bowl was completed the day of his death. He was also finishing work on a book on Penn State football, scheduled for publication next fall. Mr Riley was responsible for many innovations in alumni affairs, including the Alumni Fund, the annual Alumni Institute, the Alumni Memorial Scholarship and Loan program, and a "tune-in" to foster better understanding between students, prominent alumni and trustees.

Clarence A. Ellsworth, an associate professor of industrial engineering at the University and a member of the faculty for 28 years, died Jan. 4 at the Williamsport General Hospital. Born May 14, 1913, in Meshoppen, Pa., Mr. Ellsworth received his bachelor's degree in industrial education from Penn State and a master's degree in industrial arts education from Colorado State College. He was a Navy veteran of World War II, serving es a lieutenant commander.

PENN STATE intercom

Volume 5, Number 17 January 22, 1975

An internal communications madium for the acadamic community of The Pennsylvania State University published weekly during the four terms of the class schedule

No open committee meetings

Ulerich new Trustee head; President's contract extended

William K. Ulerich, of Clearfield, newspaper publisher and broadcasting executive, fast Saturday was unanimously elected to a one-year term as president of the University Board of Trustees.

The trustees also approved the extension of iha employment contract of President Oswald, for an additional five years. Under the action, Dr. Oswald's contract is extended from July 1, 1978, through June 30, 1983, on the same terms and conditions contained in the present employment contract.

"I cherish the confidence this implies," said Dr. Oswald, "and promise my continuing total commitment as I continue in this role."

Voting on a resolution to open to the public meetings of the Board of Trustees' ihree standing committees, members deadlocked by a 13-13 count. Under the action, standing committee meetings will continue to be closed, except to invited students and faculty.

Mr. Ulerich served as vice-president of the Board for the past three years and succeeds Michael Baker Jr., of Beever, who has held the post since 1973 and who was not a candidate for re-election.

Mr. Ulerich, who was first named to the Penn State Board in 1951, will be succeeded as vice-president by J. Lewis Williams, of Uniontown, who has been a trustee sinca 1955 and for the past 16 years has served on the Executive Committee of tha Board.

Other officers named are Dr. Oswald, as secretary of the Board, with Dr. Richard E. Grubb as associate secretary; and Eleanor Ferguson and Mary Lou McCorkle, as assistant secretaries. Robert A. Patterson was re-elected as treasurer with William F. Christolters named as assistant treasurer of the Board.

Trustees elected to the Executive Committee are Mr. Baker; John R. Pitzer, Aspers; G. Albert Shoemaker, Pittsburgh; and Dr. Helen D. Wise, State College.

Re-elected to the Committee were H Jesse Arnelle, San Francisco, Calif.; Dr. Helen Davies, Philadelphia; George H. Deike, Jr., Pittsburgh, Charles T. Douds, Camp Hill; Ralph Hetzel, Kent, O.; J. Lin Huber, St. Thomas, and Rep. Joseph Rhodes Jr., Pittsburgh.

The president of the Board and president of the University serve as ex officio members of the Executive Committee.

All terms are for one year.

A 1931 graduate of the University who was honored in 1969 as a Distinguished Alumnus, Mr. Ulerich currently is publisher and president of The Progress, Clearfield, and the Danville News in Danville, Pa., and chief executive officer of four community AM radio stations and four community FM radio stations located in Clearfield, State College and Indiana, Pa., and Naples-Marco Island, Fla.

He is a past president of the Pennsylvania Newspaper Publishers Association and the Pennsylvania Associated Press and received the Distinguished Service Award of the Pennsylvania Newspaper Publishers Association, the Pennsylvania Society of Newspaper Editors and the Penn State School of Journalism in 1960.

He has been a member of the Penn State Board of Trustees from 1951 to 1957 and from 1964 to the present time under appointments from Governors Fine, Scranton, Shafer and Shapp.

Governor Shafer appointed Ulerich to the Pennsylvania State Board of Education in 1969 and he served on the Board's Council of Higher Education until December, 1974, when he resigned.

As an undergraduate, he was editor of the Penn State Collegian, student newspaper. He also served as vice president of the Student Council his senior year, was a member of Lion's Paw and other campus activity and scholastic societies, earned second honors scholastically and was one of ihree senior activity honor men in his graduating class.

After a year as a reporter for the Huntingdon Daily News, Huntingdon, Pa., Ulerich returned to State College as assistant editor of the weekly State College Times, which he helped to change to the Centre Daily Times of State College in 1934. He was editor and associate publisher of the Centre Daily Times until 1946 when he and others purchased the Clearfield Progress and he moved to Clearfield to become ihat newspaper's publisher.

Ulerich was a part-time instructor and assistant professor of journalism at Penn State for 12 years. He also served on the Penn State Alumni Council's executive board for more than 10 years and as presi-

(Continued on page four)

Penn State's people, resources praised highly by new Trustee leader

Mr. Ulerich mede the following statement in his acceptance of the presidency of the Boerd of Trustees following his election at the Saturday meeting of the Boerd:

"Thank you for the confidence you have shown in electing me to the office of president of the Board of Trustees.

"I weil raalize the responsibility attendent to this office and I accept it.

"We owe a debt of thanks to Mike Baker for his courageous, dedicated and knowledgeable conduct of this office during these past three years and I personally am indebted to him for his unfailing practice of keeping me informed as vice president on matters concerning the University. My congratulations to you, Mike, for the service you have rendered to your elma mater and the people of Pennsylvania.

"While this is a rewarding experience for me today, I am saddened that my friend of 46 years, Ridge Riley, is not here. He had urged me to be a candidate for this office although in typical Riley fashion he said he couldn't understand why anyone would want it. I was pleased to read the many tributes about him and he deserved every one.

"It is seldom that I have had the opporfunity to have such a spirited group as you trustees as e captive audience and this may be the one time you'll permit a few remarks without too much impatience for the hour on with the remeinder of today's meeting.

"On an occasion such as this, an incoming president has two tacks he may pursue. He or she may invelgh against the public which appears to have relegated education to a fourth or fifth place in its scale of priorities, the generel epathy of our citizens occasioned by the times, the vagaries of youth and the persistence of doomsday seyers emong university scholars that we are approaching another Dark Age where the lamps of knowledge will flicker out all over the world and the modern hordes of dictetor-led forces will engulf us.

"Or on the other hand, one can be e pollyena end we will wake up in the morning with the line from the poem which says 'ell's right with the world'.

"I think our course here at Penn State is somewhere in between and right now our University's progress and development should be uppermost if we are to serve well as trustees. And when I say Penn State or the University, I include not just the main campus but our Commonwealth Campuses and our far flung Continuing Educa-



William K. Ulerich

tion installations.

"Let's take a few moments and inventory our assets as we face the problems of financial stringency, public disinterest, legislative scrutiny, youth's disaffection with college as it seeks other goals and the yearly guessing game of enrollments which no longer can be predicted on births, high school graduate numbers end other former constants.

"Under John Osweid's leadership, with e deserved bow to Milton Eisenhower and Eric Walker, Penn State hes become e truly great national university and is so recognized not only in ecademic circles but in legislative halls at Washington and Harrisburg Dr. Oswald's active participetion in prestigious associations of his peers has meant a great deal to our image everywhere. This year for instance he leeds two top-flight educator groups — perhaps the leading ones nationally and in the state of Pennsylvanie. While striving to bring together in the cause of education in general the public and private insitutions of the state, he has still maintained Penn State's recognized leadership.

"President Oswald has leibored diligently to establish and improve communications with faculty and students, and encourage in spite of a number of discouragements, participation of these groups in university affairs without retinquishing the final authority so necessary if a university president is to lead and not be swept along by pressures popular at the time.

"Now for a few more plusses—mentioned in approximately alphebetical order as each is most important.

"Dr. Oswald is backed by a dedicated, capable and diligent administrative staff which puts in many long hours — I suspect much more than their counterparts in industry and government, women and men who would make their way most successfully if they had chosen other paths and other pursuits.

"In the past few years the alumni of Penn State have developad a strong organizaton not only in membership but also in top drawer leadership by top drawer men and women. This group has become an invaluable asset to the University and it is an independent group, not puppets to dance to an administration string. It is a force the University will come to depend on more and more in the future.

"I do not hesitate to state unequivocally that although our student body has grown rapidly, our faculty today detivers quetity education at the highest level in the University's history. This not only includes the time-honored fields but also in the rapidly emerging new philosophies and techniques and theories which play such an important part in our daily lives. The University Senate has estebiished itself es a responsible deliberative body cognizant of its role in relation to governance of the University and in cooperation with the administration.

"The Hershey Medical Center of The Pennsylvenie State University has established itself — almost miraculously for such a short period of existence —as one of the leading and one of the most innovative medicel schools in this nation.

"Unsung but appreciated by so many is the work of the maintenance personnel who make the campus a joy to visit and soften the hearis of the most hardened campus critic, especially on a young spring day or a drowsy autumn afternoon. I have no comment regarding Happy Valley when 8-inch snows and icy streets envelop us.

"I mentioned that these accolades were being distributed alphabetically — hence the delay in mentioning the students who really are the fundamental reason why the University and we trustees are here. When student leedersip desires, it can make a great contribution to this institution and the tendency appears to be that currently there is a desire to work within the framework developed by the administration with student end faculty cooperation but still maintaining that netural skepticism of youth accompanied by impatience with the slowness of action of us greybeards.

"I think that studenis are better educated than ever before — if they take advantage of the opportunities to gain an education. They have been accorded privileges of adults — their destiny here is largely in their own hands.

"Student generations change constently, influenced so much by outside changes, so no one knows what the future will bring.

"So, my friends on the Board, we do have strong resources and I would be derelict if I did not include you, the trustees, as the most valu

"This is an articulate Board, I think you'll agree, and it is undoubtedly the most varied group we have aver hed — et least in many years — in respect to philosophies, goals end different approaches to problems. We have arrived here by different routes — elections by our peers, appointment, and ex-officio membership by reason of office.

"I believe, however, that all of you subscribe to the dictum that you are here to do your best to serve The Pennsylvania State University in a leadership role.

"Make no mistake. We will continue to have problems here because these are difficult times and we may or may not resolve any of our goals, but when the record is written of the Board, let the record read, 'they tried.' "

Tom Wolfe speaks on new journalism

Colloquy will sponsor e program on "Journelism — Who Needs It?" during the week of Jan. 25.

Featured speekers will be Tom Wolfe, a leading exponent of the "new journelism," end Jack C. Landau, U.S. Supreme Court reporter for the Newhouse News Service.

The Colloquy program will open with a panel discussion on "The Press, the Bar, end the First Amendment" at 8 p.m. Sunday, Jen. 25, in Room 112, Kern Graduete Bldg.

Panelists will be Landau, who is founder and trustee of The Reporters Committee for Freedom of the Press; Centre County Common Pleas Court Judge R. Peul Campbell, and Virginie B. Eisenstein, State College attorney. Conneld L. Smith, associate professor of journelism, will be the moderator.

At 8:30 p.m. Monday, Jen. 26, in the Hetzel Union Bldg. reading room, "The Lighter Side of Redio" will be discussed by Mickey Bergstein, general menager of Radio Stetion WMAJ, and Robert Zimmerman and Fred Honsberger, of Redio Stetion WRSC.

A penel discussion on "Women, Minorities and the Media" is scheduled for 8 p.m. Tuesday, Jan. 27, in the HUB mein lounge.

Wolfe will speak on "Journetism: New, Old, and Non" et 8 p.m. Wednesday, Jen. 28, in Schwab Auditorium.

An open house of WHR Radio Stetion in Waring Hall will be held from 2 to 4 p.m. Thursday, Jen. 29. The program will close with a Collegian Workshop et 8 p.m. in the HUB mein lounge. Edtors of the Daily Collegien will discuss its problems and philosophies in terms of the campus and the world.

Landau, a greduate of Harvard College and New York University Law School, has worked for the Associeted Press, Washington Star, Washington Post and the Oepartment of Justice. A Nieman Foundation Fellow at Harvard University in 1968, he is a three-time recipient of the American Bar Association Public Service Merit Award.

Wolfe was graduated from Washington and Lee University and received a doctor of philosophy degree in American studies from Yale Univertsity. He has worked as a reporter for the Springfield, Mass., Union, Washington Post and New York Herald Tribune, and has written extensively for New York Magazine, Esquire, and Harper's Bazaar.

One of the first journalists to utilize literary devices formerly reserved for fiction, he is the author of "The Kandy-Kolored Tangerine-Flake Streamline Baby," "The Pump House Gang," "The Electric Kool-Aid Acid Test," "Radical Chic and Mau-Mauing the Flak Catchers," and "The Painted Word."

Program receives an accreditation

The Oepartment of Nursing of the College of Human Oevelopment has been granted accreditation for its graduate nursing program by the National League for Nursing.

The NLN's Boerd of Review for Baccalaureate and Higher Oegree Programs voted last month to grant initial accreditation to Penn State's graduate nursing program effective immediately, and retroactive to the 8-month period prior to the Board's decision.

The newly accredited program includes a master of nursing degree program, which prepares students as specialized nurse clinicians, and a master of science degree program which stresses scholarship and research.

According to Or. James Repella, acting head of the department, the ection of the NLN review board is the culmination ol several years of effort by nursing faculty to provide enother needed professional dimension to the health care field. "Many people have spoken to the need for nursing professionals to assume new roles in the provision of primary health care, in addition to nurses' traditional roles in support ol doctors," Or. Repella notes. "We have designed a program to prepare nursing professionals who have the specialized and sophtsticated skills necessary to hill those roles."

Second round arranged for interchange program

A second ro.nd of awards in the University's "Faculty Interchenge Program" will be mede for use during the spring and summer terms.

According to Joseph F. Cougles, associate dean of academic instruction for Commonwealth Campuses, approximately eight awards will be made for spring term and approximetely 12 awards for the summer term.

"The larger number of awards can be made," he said, "if temporary teaching appointment costs can be kept at a minimum through bilateret teacher exchenges in particular subject erees."

The Faculty Interchange Program was intrieted in the 1974-75 academic year end is supported by the Scholarly Activites Fund administered by the Office of the Oean of Academic Instruction for Commonwealth Campuses.

Under the program, faculty members assigned to one campus of the University may spend a term in residence at another campus in the system. Participents may be in the process of completing research, pursuing some creative project, doing special advanced study, retraining for competence in e new or different field, assisting in special course development work, or some other academically/scholarly oriented endeavor.

Oean Oouglas said faculty members and those graduate students with a special interest in teaching are urged to establish their descriptive proposals in formal order.

Interested faculty members should first discuss their basic proposel plans with their local academic officer. Once an understanding is reached, the faculty member should contact the appropriate academic officer at the target campus to dlscuss the resources available for accomplishing the objective.

If a go-ahead is indicated, the faculty member should submit a formal application through the home-bese campus for consideration of an award.

Applicetion forms containing information on financial errangements for successful applicants currently are being prepared. The forms are to be distributed to departmental offices and to offices of academic officers at the Commonwealth Campuses during the week of Jan. 26.

Official sought at Wilkes-Barre

Or. Robert G. Oulnn, dean of acedemic instruction for Commonwealth Campuses, end George Bierly, director of the Wilkes-Barre Campus, have announced the establishment of the position of associate director for acedemic affairs at the Campus.

The associate director for academic affairs will serve as the chief academic officer of the Campus. This individual will, under the supervision of the Campus director, be responsible for providing leadership and developing and maintaining academic programs in resident and continuing education. Other areas of responsibility include local community academic needs, planning, recruitment, assignment, evaluation and development of faculty, student development programs, course scheduling and records and participation in other Campus and University activities.

Applicants for this position are expected to have a doctoral degree and a minimum of five years of experience in teaching and administraton of higher education.

Letters of nomination or letters of application should be directed to Or. Quinn, 111 Old Main Bldg., University Park, Pe. 16802, by Feb. 27.

WPSX highlights

Sarah Caldwell, highlighted in last week's intercom for her work with "Be Glad Then America," to be performed next month at the University, is featured in an hour-long conversation with Edwin Newman on **Speaking Freely** Saturday, Jan. 24, at 8 p.m. Ms. Caldwell, founder and director of the Opera Company of Boston, will discuss her struggles to keep the Opera Company of Boston elive, talk about artists who have performed with her; and relate general aspects of her work.

The 1936 World Series is the subject as Curt Gowdie hosts the return of **The Way It Was** Saturday, Jan. 24, at 11 p.m. The weekly series is a retrospective look at 13 classic athletic events. On Saturday's program, Gowdie and his guests recall the World Series between the New York Yankees and the New York Giants. Guests include players from both teams.

The ere of manned and unmanned exploration of space and what it has revealed so far about the origins and nature of the solar system is explored on **Nova** Sunday, Jan. 25, at 8 p.m. The hour-long documentary examines new information about the origins of life that have been gleaned from space exploration and tells how the new view of space emerged from evidence brought back from space missions. The program may also be seen Saturday, Jan. 31, at 3 p.m.

One ot the most chaotic periods of French history is examined through its art on **Only Then Regale My Eyes**, an hour-long **PBS Specfal of the Week** Monday, Jan. 26, at 8 p.m. The program illustrates the period 1774 to 1830 — which included the tinal years of the French monarchy under Louis XVI, the French Revolution, the Napoteonic Era, and the Bourbon restoration of Louis XVIII and Charles X — as revealed by the French artists of the period. Among the artists whose pa'nting end philosophies are examined ere Oavid, Oelecroix, Ingres, and Gericoult.

News in brief

Program responsibility change

Administrative responsib.lities for the associate degree in Letters, Arts and Sciences by both the reguler and extended routes have been transferred from intercollege Undergraduate Programs to the College of the Liberal Arts.

The program has been assigned to the Office of the Associate Oean for Undergraduate Studies in the College of the Liberal Arts.

All communications that were formerly directed to Anne Herpel in the Office ol the Vice President for Undergraduate Studies concerning the associate degree program in Letters, Arts and Sciences should now be directed to Edna Spearly, College of the Liberal Arts, 138 Sparks Bldg.

African Studies Forum

"Economic and Political Conditions in Kenya and Tanzania" will be discussed at the second African Studies Forum of the winter term on Monday, Feb. 2, at 7:30 p.m. in the Black Cultural Center.

Or. William J. Schrader, professor of accounting, and John J Williams, greduate student in accounting, will be the speakers.

The African Studies Forum is sponsored by the University's Black Studies Committee and is open to all members of the Penn State and State College communities.

Lunchtime parking available

For the convenience of University employees going to the Hetzel Union Bldg for tunch, a limited number of parking spaces will be available on weekdays from 11 a.m. to 1:45 p.m. in the visitors section of Parking Area Brown F (east of the Hetzel Union Bldg.)

Employees, using the area for noontime parking, should check with the attendant at the kiosk at the entrance to the area from Shortlidge Rd.

Value study response

A recent mailing called for faculty members interested in the development of a continuing program for the exploration of "questions of value" to indicate their response in writing by Jan. 15. Oue to a problem in distributing the proposal, some faculty members may not have had sufficient time to answer. Consequently, the deadline has been extended to Jan. 26. If any faculty member has not seen the proposal, or still wishes to convey an interest — which should be in writing — he or she should address requests or statements of interest to H. C. Johnson, 408 Rackley Bldg. Call 865-1488 if more information is needed.

Credit Union to meet

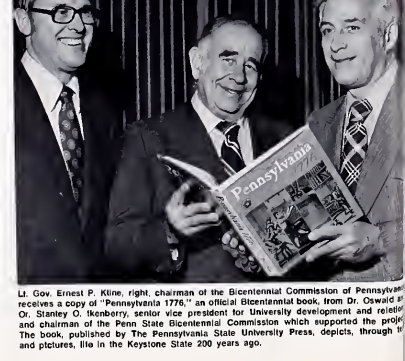
The Penn State Federal Credit Union will hold its annual meeting at 7:30 p.m. on Thursday, Jan. 29, in Room 101 Kern Graduate Bldg.

Top mining paper

A paper by Theresa M. Pompey, a senior in mining engineering in the College of Earth and Mineral Sciences, has been judged by a committee of prominent mining professionals to be the best undergraduate entry in the Society of Mining Engineers' 1975 Student Paper Contest.

Her paper, entitled "The Injection of Epoxy Resins for Support," reviews research on methods for filling mine wall fractures, as opposed to more traditional bolting methods of support. She will be awarded a $500 prize.

One of seven women enrolled in mining engineering at Penn State, Ms. Pompey has held summer jobs as engineering assistant and union laborer at mines in West Virginia and Ohio. After her graduation this spring, she intends to pursue a career in mining production work.



Lt. Gov. Ernest P. Kline, right, chairman of the Bicentennial Commission of Pennsylvania receives a copy of "Pennsylvania 1776," an official Bicentennial book, from Dr. Oswald S. Or. Stanley O. Ikenberry, senior vice president for University development and relations and chairman of the Penn State Bicentennial Commission which supported the project. The book, published by The Pennsylvania State University Press, depicts, through text and pictures, life in the Keystone State 200 years ago.

University Park Calendar

January 22—February 1

Items to be included in this calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, Jan. 22

Commons Videotape, 12 noon, Kern lobby.

FSHA 410 dinner, "Early England," 5:30 p.m., Maple Room, Henderson Human Development. Reservations: 865-7441.

Gallery talk, Robert H. Luck, curator, Finch College Museum of Art, on "Hugo Weber: A Retrospective Exhibition," 7:30 p.m., Museum of Art.

University Theatre, "Hay Fever," 8 p.m., Playhouse Theatre.

Friday, Jan. 23

Campus 4-H Square Dance, 7:30 p.m., HUB ballroom.

University Theatre, "Hay Fever," 8 p.m., Playhouse Theatre.

GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, Jan. 24

Sports: Women's fencing, vs. Ohio State, 9 a.m. White. Women's basketball, vs Ithaca, 2 p.m., White. Men's basketball, vs. West Virginia, 2 p.m., Rec Bldg. Men's fencing, vs. William Paterson, 1 p.m., Rec Bldg. Men's swimming, vs. Bloomsburg State, 2 p.m. Men's and women's gymnastics, vs. Ohio State, 8 p.m., Rec Bldg.

University Theatre, "Hay Fever," 8 p.m., Playhouse Theatre.

PSU Symphony Orchestra, 8:30 p.m., Schwab.

Sunday, Jan. 25

Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Robert A. Raines, director, Kirkridge Retreat and Study Center, Bangor, Pa.

Black Christian Fellowship worship service, 11 a.m., Cultural Center, Walnut

Alpha Chi Omega "Greek Sing," 2-4 p.m., HUB ballroom.

Artists Series, Igor Kipnis, harpsichordist, 8:30 p.m., Schwab.

Monday, Jan. 26

Raymond Page, viola, 8:30 p.m., Music Bldg. recital hall.

France Cinema, "Ramparts of Ctay," 7 and 9 p.m., Room 112 Kern.

Tuesday, Jan. 27

Library Seminar, "Psychology Reference Materials," 7 p.m., Room W110 Pattee.

University Theatre, "Hay Fever," 8 p.m., Playhouse Theatre.

Wednesday, Jan. 28

"Noondays," devotional service, 12 noon, large chapel, Eisenhower Chapel.

FSHA 410 dinner, "China," 5:30 p.m., Maple Room, Henderson Human Development.

"Welcome, Mr. Marshall," Spanish Club film (with English subtitles), 7:30 p.m., Room S209 Henderson Human Development.

University Theatre, "Hay Fever," 8 p.m., Playhouse Theatre.

Musica da Camera, 8:30 p.m., Music Bldg. recital hall.

Thursday, Jan. 29

Commons videotape, 12 noon, Kern lobby.

FSHA 410 dinner, "Central America," 5:30 p.m., Maple Room, Henderson Human Development.

University Theatre, "Hay Fever," 8 p.m., Playhouse Theatre.

Friday, Jan. 30

Sports: Men's fencing, vs. Baruch and NYU, 3:30 p.m., Rec Bldg.

Episcopal Student Assoc. Square Dance with the Buffalo Chipkickers, 7:30 p.m., HUB ballroom.

GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

University Theatre, "Hay Fever," 8 p.m., Playhouse Theatre.

Sharon Brock, piano, 8:30 p.m., Music Bldg. recital hall.

Saturday, Jan. 31

Sports: Men's fencing, vs. Army, 1 p.m., Rec Bldg.

Campus Crusade for Christ Square Dance, 7 p.m., HUB ballroom.

University Theatre, "Hay Fever," 8 p.m., Playhouse Theatre.

Sunday, Feb. 1

Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Robert C. Fox, State College.

Black Christian Fellowship worship service, 11 a.m., Cultural Center, Walnut.

Seminars

Thursday, Jan. 22

Chemistry, 12:45 p.m., Room 333 Whitmore. Kurt Mislow, Princeton University, on "Studies in Stereochemistry."

Joint Physics and Astronomy Colloquium, 3:50 p.m., Room 117 Osmond. Dr. R H. Koch, astronomy, University of Pennsylvania, on "Stellar Polarization Effects and Circumstellar Scattering in Binary Stars."

Computation Center, 7:30 p.m., Room 105 Osmond. "PSU Structural WATFIV (2)."

Ceramic Science, 11 a.m., Room 301 Mineral Industries. Kent Bowen, Massachusetts Institute of Technology, on "Grain Growth in Ceramics."

Biochemistry and Biophysics, 12:30 p.m., Room 101 Althouse. Kelly Clifton, University of Wisconsin School of Medicine, on "Hormonal Effect in Mammary Gland Radiation Carcinogenesis."

Microbiology and Cell Biology, 4 p.m., Room 52 Frear. Herbert A. Friedman, Albert Einstein College of Medicine, on "Properties of Cell Lines Derived from Tumors Induced by Friend Virus in BALB/c and BALB/c-H-2^{b} Mice."

Meteorology, 4 p.m., Room 26 Mineral Sciences. Alan Dittenroeffer, graduate student, on "Precipitation Chemistry of Western New York."

Statistics, 4 p.m., Room 75 Willard. Thomas P. Hattmansperger on "Robust Tests Based on Ranks for the Linear Model."

Acoustics, 4 p.m., Room 158 Willard. Charles R Zentner, research associate, ARL, on "Adaptive Array Processing."

Monday, Jan. 26

College of Health, Physical Education and Recreation, 3:30 p.m., Room 101 Kern. Dr. Alan Kazdin, psychology, on "Behavior Modification: Implications for the Sport Domain."

Genetics, 3:55 p.m., Room 108 Tyson. Carter Schrov on "Cell Fusion to Study the Human Birth Defect exoderma pigmentosum.

Biochemistry and Biophysics, 4 p.m., Room 101 Althouse Raymond Damadian, biophysics, SUNY, Brooklyn, on "The Cytotonus Concept in the Control and Regulation of Biological Ion Exchanger Resins."

Computation Center, 7:30 p.m., Room 105 Osmond. "PSU Structurat WATFIV (3)."

Organic Chemistry, 8 p.m., Room 333 Whitmore. Barry Lange on "Synthetic Approaches to Cephalotaxine."

Tuesday, Jan. 27

Plant Pathology, 9:45 a.m., Room 213 Buckhout. Padruot Fried on "Genetics of the Pathogen."

ARL, 10:45 a.m., Eric A. Walker Conference Room. Applied Science, on "Acoustic Diffraction and Scattering from a Half-Plane with Impedance Boundary Conditions."

Analytical Chemistry, 12.45 p.m., Room 333 Whitmore. G. Perkins on "Chemistry of Chlordane and Its Environmental Significance."

Water Pollution Control, 2.20 p.m., Room 101 Chambers. "Subsurface Disposal Systems — Tile Field Disposal."

History, 3:30 p.m., Room 101 Kern. Lorraine Lees on "America's Response to Tito's Yugoslavia. 1945-1949."

Engineering Acoustics, 4 p.m., Room 73 Willard. Dr. Joachim F. Wohlwill, man environment-relations and psychology, on "Effects of Exposure to a Noisy Environment."

Inorganic Chemistry, 8 p.m., Room 333 Whitmore. Dr. Nilda Martinez, IBM, on "Optically Active Organometallic Compounds of tron."

Wednesday, Jan. 28

Biochemistry, 4 p.m., Room 101 Althouse. Richard Taylor on "Biosynthesis of Antigens: Gene Theories."

Thursday, Jan. 29

Chemistry, 12.45 p.m., Room 333 Whitmore. James S. Mattson, University of Miami, on "Infrared Spectroelectrochemical Investigations of Blood Protein Adsorbed at Solid-Solution Interfaces."

Anthropology, 3.30 p.m., Room 107 Social Science. James S. Duff, project research associate, on "Environment, Migration and Perceived Health In Southern Peru."

Physics, 3:50 p.m., Room 117 Osmond. R. T. Schumacher, Carnegie-Mellon University, on "The Bowed String and the Bow on Violins."

Philosophy, 4 p.m., Room 167 Willard. Alphonse Lingis on "DEATHBOUND THOUGHT, Authenticity in Heidegger."

Meteorology, 4 p.m., Room 26 Mineral Sciences. Dr. Ariel Cohen, Drexel University (on leave from the Hebrew University, Israel).

Computer Science, 4 p.m., Room 325 Whitmore. Dr. Zvi Galil, IBM Research Center, on "Real Time Algorithms for String-Matching and Palindrome Recognition."

Computation Center, 7:30 p.m., Room 105 Osmond. "PSU Structured WATFIV (4)."

Populations Issues Research Office, 2:30 p.m. Room 101 Kern. Dr. John Knodel, sociology, University of Michigan, on "Some Current Research Topics in Historical Demography."

Exhibits

Show.

Chambers Gallery: Musical Instruments, through Jan. 29. Graduate Student Exhibition, all media, opening Jan. 30.

Pattee Library: East Wing Corridor, "Paintings and Drawings." Maureen Russell Nell. Main Lobby, "Be Glad Then America" Exhibit, through Jan. 31.

Sackett Gallery: "Penn State — Architecture," drawings, models and publications by Penn State architecture students.

Zoller Gallery: Student Sculpture Exhibition, through Jan. 30. David Hare Exhibition, opening Feb. 1.

HUB Gallery: Jack Tar, American Profiles of Merchant Seafarers, 1794-1803 (Smithsonian Institution).

Kern Gallery: Central Pa. Scholastic Art

Films

Saturday-Sunday, Jan. 24-25

Hillel Foundation film, "Kazaban," 7:30 and 9:30 p.m., HUB assembly room.

Wednesday, Jan. 28

GSA Commonsplace Theatre, "Mutiny on the Bounty," 8:30 p.m., Room 112 Kern.

Meetings

Tuesday, Jan. 27

College of Earth and Mineral Sciences faculty, 4 p.m., Room 26 Mineral Sciences.

Lecture

Wednesday, Jan. 28

World Food Crisis Lecture Series, Dr. Robert F. Chandler on "The Outlook for the Green Revolution," 8 p.m., Room 105 Forum. Sponsored by the University Committee for International Programs and the College of Agriculture.

Arts roundup

International arts and crafts

The Office of International Student Affairs is sponsoring an International Arts and Crafts Fair Monday, Jan. 26, through Friday, Jan. 30, in the International Student Lounge, 111 Kern Graduate Bldg.

The exhibit features original handmade art work by the wives of international Penn State students. This art work reflects the cultures of more than ten different countries and includes embroidery, hand-woven rugs, clay sculptures, hand-knit sweaters, jewelry, and many other original items.

The public is invited to the fair, with items available for purchase from individual artists.

Chamber music group performs

Five music graduate students will perform featured roles in a chamber music concert by Musica da Camera at 8:30 p.m. Wednesday, Jan. 28, in the Music Bldg. recital hall.

Conducted by Dr. D. Douglas Miller, associate professor of music, the chamber orchestra will present four works, including Mozert's "Divertimento in D Major."

Featured soloists in Vivaldi's "Concerto Grosso in D Minor" are violinists Davis Brooks, Lewisburg, and Helen Steineker, Montgomery, Ala., and cellist Peter Bryce, Corvallis, Ore. The central performer in Griffes' "Poem for Flute and Orchestra" is flutist Steven Robbins, of San Angelo, Tex.

Contemporary American composer Robert Parris' "Trombone Concerto," a challenging 1964 work, has Michael E. Powell, Wichita, Kan., on trombone.

Page presents viola recital

Raymond Page, associate professor of music and violist with the Alard String Quartet, will perform music for viola and violin in recital at 8.30 p.m. Monday, Jan. 26, in the Music Bldg. recital hall.

Bach's "Sonata in G Minor," a transcribed work for harpsichord and viola originally written for gemba, will be performed with June Miller, assistant professor of music.

In "Sonata for Violin and Piano" by William Walton, a contemporary English composer, Philip Dettra, assistant professor of music, will join Mr. Pege.

Davis Brooks, violinist and greduate student in music, will perform with Mr. Page in Prokofiev's "Sonata for Two Violins." Mr. Brooks attended last summer's International Music Institute in Spain where Mr. Page was a performer-in-residence.

Young Artists' Concert

The annual Young Artists' Concert by the Penn State Symphony Orchestra, featuring student performers selected by competitive audition in the Department of Music, will be held at 8:30 p.m. Saturday, Jan. 24, in Schwab Auditorium.

The performance of the first movement of Mozart's "Piano Concerto #15 in B Flat Major" will feature Katherine Kello, pianist, and will be conducted by graduate conducting student Ronald Renshaw. Debussy's "Premiere Rhapsodie" will have Russell Shipley on clarinet.

Violist Paul Yarbrough will perform in Bartok's "Concerto for Viola." Following the intermission, the orchestre, conducted by John Hall, graduate conducting major, will perform the overture to the opera "Nabucco" by Verdi.

"My Man's Gone Now," from Gershwin's "Porgy and Bess," will be sung by soprano Nona Uhler and conducted by Mr. Hall The performance of the first movement from Tchaikovsky's "Concerto for Violin in D" will feature Davis Brooks, violinist.

The Symphony Orchestra is under the direction of Dr. D. Douglas Miller.

Bicentennial exhibit at Kern

The Graduate Commons Gallery will feature a display of American Bicentennial-related paintings entitled "Pennsylvania: A Commemorative Portrait," Feb. 6-26.

The 80-painting show includes works of Nick Ruggieri, a Fellow of the Royal Society for the Encouragement of the Arts, London, and art director of the Harrisburg Patriot-News.

The collection includes at least one representative painting from each of the state's 67 counties; nine additional Commonwealth scenes; a map-montage of Pennsylvania; plus paintings of the state bird, tree and flower. Paintings are executed in oils, acrylics and watercolors.

The display at the Kern Graduate Bldg. gallery is one step on the Nick Ruggieri Bicentennal Art Exhibition tour, which will visit 40 locations throughout Pennsylvenia.

The Centre County painting in the collection is a view of Old Main.

"I wanted to combine scenic, historical, industrial and interpretive views of Pannsylvania into a portrait of the Commonwealth, a tribute to the state during the Bicentennial," comments Ruggieri.

Des Marais receives award

M. Roberi Des Marais, associate professor of architecture, has received a 25-yeer eward from the University.

Mr. Des Marais, who received his B.S and M. Arch. degrees from the University of Illinois, is a registered architect in Pennsylvania, Illinois and Texas. Before coming to Penn State in 1950 he was a member of the architecture faculties at the University of Illinois and Texas Tech.

His professional experience includes work with J. A. Anderson & Associates, professional engineers, Champeign, Ill.; E. L. Siouffer, supervising architect, University of Illinois; Butler and Brosher Archiects, Lubbock, Tex.; and Kahn and Jacobs Architects, New York, N.Y. He currenly heads M. Roberi Des Marais & Associates Architects, State College.

Mr. Des Marais is a corporete member of the Americen Institute of Architects end has served as the president, secretary, treasurer and board member ot the Association's Centrel Pennsylvania chapter. He is also a member of Alpha Rho Chi, national professional architecture fraternity. He has served es thet organization's national president and wes the advisor to the Penn State chapter for many years.

He has also been the Penn State advisor to Scarab National Architectural Society, and is a member of the Gargoyle Architectural Society, the Association of Collegiate Schools of Architecture, the National Council of Architectural Registration Boards and the Society of Architectural Historians.

A student of the history and philosophy of architecture, Mr. Des Marais is a collector of ancient and antique books on architecture and the building professions.



M. Robert Des Marais

He is currently writing a book, "Architecture Books 1485-1900," a definitive study of printed literature in the field.

He has travelled extensively, visiting ancient and modern architectural sites and, as a hobby, presents slide lectures about his travels.

Ulerich new Trustee head; President's contract extended

(Continued from page one)

dent of the national Penn State Alumni Association in 1945-46.

Last year he was named a Distinguished Eagle Scout by the national scouting Board of Review in recognition of his contribution to scouting during his 51 years as an Eagle Scout and other civic and community activities.

At Clearfield he is a director of the County National Bank and a director and past president of the Clearfield Hospital. In 1963 he was named an "Outstanding Citizen" by the Clearfield American Legion Post No. 6. He is a native of Latrobe, Pa.

Mr. Williams, reared by farmer relatives and friends after having been orphaned at six ages of age, is a graduate of Penn State's two-year course in agriculture. He has a continued record of service both to agriculture and his community, as well as to the University.

He was named a "Superior Farmer" by the Greater Uniontown Chamber of Commerce in 1952 and "Master Farmer" by the Pennsylvania Farmer" in 1955. He is an honorary member of the Pennsylvania County Agents Association. He has been president of both the Fayette County Hofstein Breeders' Association and the Southwestern Pennsylvania Holstein's Breeders' Association. He has also served as president of the Fayette County Agricultural Extension Association, Pennsylvania Dairymen's Association, and the Atlantic Breeders' Cooperative. He is a member of Gamma Sigma Delta, national honor society of agriculture.

For 19 years he was secretary-treasurer of the Pennsylvania Association of Artificial Breeding Cooperatives and was chairman of the State's brucellosis eradication committee.

Civic activities have included 11 years as chairman of the Fayette County Redevelopment Authority, superintendent of the Fayette County institutional district for 10 years, and eight years as a county commissioner for Fayette County.

In business he has operated a successful farm machinery dealership and he operates a large dairy farm near Uniontown.

He is a director of the Gallatin National Bank of Uniontown.

In other action taken at last weekend's meeting, the Board of Trustees:

—approved sketch-preliminary plans for two buildings al the Fayette Campus. The firm of Fulton and Heath, architects, will complete the building designs. They are for a Maintenance and Solar Laboratory Bldg. at a cost of $175,000, and an Interim Recreation and Convocation Bldg., expected to cost $300,000.

—approved sketch plans for approximately 3,400 square feet of freezer space to be built at the Food Stores Bldg. The space will constitute a one-story addition at the northwest corner of the building, the first addition to have been made to the build ng since 1958.

—approved final plans for air conditioning of guest rooms at the Nittany Lion Inn.

—approved sketch-preliminary plans for an addition to the WPSX-TV studio building.

—designated May 27 as the date for delegate election of trustees and for counting the ballots in the alumni election.

—authorized continuation for one year of The Hershey Medical Center Advisory Committee and the Special Advisory Committee on Affirmative Action.

—authorized the employment of Haskins and Sells, of Philadelphia, certified public accountants, to perform the annual audit of accounts of the University for the year ending June 30, 1976.

—approved final plans for an expansion and improvement of utilities on the University Park Campus. The work will be done by the Department of General Services which has authorized $250,000 for construction costs.

—authorized the purchase of two tracts of land adjoining University holdings in the Stone Valley Area ot Huntingdon County.

—approved an exchenge of land between the City of DuBois and the DuBois Campus.

Funding opportunities

(211-1) Deadlines for the **OE Education Professions Development Program** have been issued Feb. 5 — bilingual education training (new), teachers for Indian Children, urban/rural new "national projects", and new vocational education leadership development (the letter a correction); Feb. 27 — new vocational education state systems; and March 18 — individual leadership development programs. (Ref. 40FR0106, 12/31/75) (CFDA 13.503, 504, 505, 506, and 546).

(211-2) A **NSF/RANN** program solicitation has been issued for **Applied Research in the Benefits and Costs of Public Regulation: Case Studies of Selected Commodities and Services.** The deadline is March 16 (Ref. NSF 75-39)

(211-3) Final guidelines have been issued and a March 15 deadline set for the new **NSF/ RIAS Program (Research Initiation and Support.)** A two-page proposal outline must be submitted to NSF by Feb. 1 for review as the RIAS selection committee which will recommend outlines to be expanded into full-length proposals. (Ref. NSF E-76-48).

(211-4) The **OE Consumers' Education Program** has a March 8 deadline (Ref. 41FR1614-15, 1/9/76) (CFDA 13.564).

(211-5) The Social Security Administration has issued proposed rules for research grants and contracts under its **Experimental Day-Care Programs.** Experiments and demonstration projects are included (Ref. 41FR1603-05, 1/9/76) (CFDA 13.801).

(211-6) The U.S. Dept of Agriculture has issued regulations for its **special supplemental food program for women, infants, and children,** including nutritional education for adults (Ref 41FR1743-50, 1/12/76) (CFDA 10.557)

(211-7) The Office of Management and Budget (OMB) has revised Cir. No. A-21, which regular furnishes guidance to federal agencies for cooperation with state and local governments in the **evaluation, review, and coordination of federal and federally assisted programs and projects.** (Ref. 41FR2051-65, 1/13/76)

(211-8) Proposed rules for **Native American Programs and Activities** (Indians, Hawaiians, Alaskans) have been issued by OHEW. The programs including training and technical assistance; research, demonstration, and pilot projects, and project evaluations. (Ref 41FR2045-50, 1/13/75) (CFDA 13.612).

(211-9) PSU Office of **Student Aid Gubernatorial Grants** (half tuition) — April 1; 135 Boyke.

(211-10) AFL/CIO — 2 Internships — March 15; 317 Kern.

(211-11) PSU 1976 Fellowship Competition — Feb. 3 (incoming students Feb. 17); 317 Kern.

Faculty notes

Dr. Henry L. Guttenplan, professor of law enforcement and corrections, is serving as the state coordinator for the International Association of Chiefs of Police, Inc.

Dr. Joseph Jordan, professor of chemistry, presented a talk at the Pasteur University Institute of Chemistry, Strasbourg, France, Jan. 15, and will speak at the University of Ghent, Belgium, Jan 28.

The titles: "Enthalpimetric Analysis, Biochemical and Enzymatic Applications" and "Thermochemistry of Immunological Reactions," respectively

Dr. Jordan is currenily on leave in France, where he is participating in research and offering graduate courses at the University of Paris, the French National Science Foundation, and the Pasteur University.

He will return to the University in May.

Dr. Herschel W. Leibowitz, professor of psychology, has been elected a Fellow of the Human Factors Society in recognition of "outstanding contribuions" to the field of human factors.

Dr. Gerald M. Phillips, professor of speech communication, is the co-author of a new book, "Intimate Communication" published by Allyn and Bacon. His co-author is Nancy J. Metzger, assistant professor at the University of Pittsburgh, who received her Ph.D. at Penn State in 1974

The book is a report on an intensive five-year study of 511 close relationships, including long-term friendships, cohabiting couples and married couples ranging in age from 9 to 71. The study also includes clinical reports on the socialization progress of diagnosed disturbed communicators.

The Honorary American Farmer Degree, the highest award made by the Future Farmers of America, was given recently to **Dr. Richard F. Stinson,** professor of agricultural education and horticulture.

The award cites Dr. Stinson for his cooperative efforts with the FFA and sponsoring organizations in planning, organizing, and administering the first and second National FFA Horticulture Contests in 1974 and 1975. This event, now a permanent part of the National FFA Annual Conventions, attracted state contest teams from 32 states In 1974, and 40 states in 1975, with 96 contestants the first year and 160 contestants the second year.

Dr. Roy Allison, associate professor of education at Capitol Campus, has been elected president-elect of the Pennsylvania Science Teachers Association. A member of the faculty since 1968, Dr. Allison is a graduate of Shippensburg State College and received his master's degree and D.Ed. from Penn State. In 1970 Dr. Allison was awarded a Fulbright-Hays Act Grant to help develop an elementary science program in South Korea.

Dr. Frank Clemente, associate professor of sociology, has been named edlior of a special edition of the "Annals of the American Academy of Political and Social Science." The issue is entitled "Rural America: Problems and Prospects" and contains 13 original articles by leading social scientists.

Dr. K. Danner Clouser, associate professor of humanities at Hershey, has been appointed to the editorial board of The Journal of Medicine and Philosophy," a quarterly publication of the Society for Health and Human Values of which Dr. George T. Harrell, vice president emerlius for medical sciences. is president. The first volume of the new journal will appear in March, 1976. Dr. Clouser will edit the first issue of Volume 2, which will concern "Clinical Medicine as Science." The journal will be published by the University of Chicago Press.

Coach **Harry Groves** has been named National Cross Country Coach of the Year by the United States Track Coaches Association.

Groves also has been named District 2 cross country coach of the year and District 2 track coach of the year.

The national award recognizes the Penn State coach for development of the sport and excellence in coaching. Groves' 1975 cross country team was 7-1 in dual meets and finished fourth in the National Collegiate Athletic Association championship at Penn State. His team also finished second in the Central Collegiate Conference race and first in the Eastern United States Track and Field Federation championship this fall.

Kurt Oppelt may not be too well known in his adopted homelown of Stale College, but he will be welcomed as a national hero when he returns to his Austria homeland later this month.

An Instructor in the College of Health, Physical Education and Recreation, Oppelt has been selected to be the first person to receive the Olympic torch when it arrives on Ausirlan soil from Athens, Greece, on Jan. 30.

Oppelt and his former skating partner, Sissy Schwarz, will be guests of honor throughout the Winter Games in commemoration of the 20th anniversary of their winning the Pair Figure Skating Championships In the 1956 Austrian, European, World and Olympic competitions.

Dr. George C. Shoflstall, assistant director of continuing education in the College of Science, spoke Jan. 14, at a meeting of the North Central Pharmacist's Society of Pennsylvanie in Danville.

His talk, entiled, "Organic Levels," focused on the flow of onergy through the food pyramid of an eco-system.

Staff vacancies

Staff vacancies contained in this publication are those which generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in the felarcom may be found in the Penn State Reporter.

This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1367 (network Line 475-1367). Applications for these staff vacancies will be received until 5 p.m. **Thursday, Jan. 29 Do not contact the area that has the vacancy.**

PROGRAMMER, UNIVERSITY LIBRARIES — University Park

Responsible for analysis, program design coding, documentation, and other programming tasks. required to develop an operational on-line bibliographic data-base. Bachelor's degree or equivalent in computer science or related field, plus one to two years of related experience preferably in database design or on-line multi-access computer systems.

The University is an equal opportunity/affirmative action employer.

PENN STATE intercom

Volume 5, Number 18 January 29, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

Sigma Xi Award

Nominations are requested for the Penn State chapter of Sigma Xi Graduate Research Award. A mailing has been made to graduate department and program chairmen specifying the terms for the award and providing instructions for submitting proposals. The purpose of the award is to recognize individual graduate research whose potential is judged to be outstanding. The award will be in the amount of $250 and will be presented at the annual initiation banquet in April. Applicants must be members of Sigma Xi or a graduate initiate, and the nominator must also be a member of Sigma Xi. Each graduate department or program is limited to one submission. Proposals are to be submitted to the office of B. F. Howell Jr., associate dean of the Graduate School, 317 Kern Bldg. (865-2514). The deadline for submission of proposals is Feb. 27.

"Sliding sale" at Bookstore

The Penn State Bookstore in McAllister Bldg. will have another "sliding scale sale" in the store's trade department for one week, beginning Feb. 2. The amount one saves will depend upon the quantity of books purchased — the purchaser of two books will receive a 10 percent discount; the purcheser of six or more books will receive a maximum 50 percent discount. Both hardbacks and paperbacks will be included in the sale, but text and technical titles will be excluded. However, beginning Feb. 9, the store will offer a 30 percent discount on all technical titles. This latter sale will also last a week.

Research Initiation Grants

The Penn State 1976-77 Research Initiation Grants Program provides grants to support research and other creative work in science, technology, the social sciences, and work in the arts and humanities.

Faculty at all campuses are invited to submit proposals. Awards will range from $2,000 to $5,000 for 12 months. Call your ICOR dean or Commonwealth Campus director for further information.

The proposal deadline is Feb. 20. Following preliminary screening by colleges, final awards will be recommended by an ACOR subcommittee.

Awards will be announced by March 17.

Fund for E&MS faculty

The William H. Gosnell Faculty Enrichment Fund, recently established at the University, will benefit the College of Earth and Mineral Sciences.

The fund was created from the estate of Mr. Gosnell, a 1913 graduate in mining engineering, who died July 16, 1974.

Earnings from the fund will be used for instructional innovation grants for new and improved courses; travel to professional meetings or seminars; grants to assist junior faculty members to broaden their studies; purchase of equipment not otherwise available, and other purposes approved by the dean of the College which may benefit the College and its faculty, staff and students. Monetery awards to students may not be made from the fund.

Expenditures from the fund will be approved by the dean of the College of Earth and Mineral Sciences and a special committee selected by him.

Interested individuals or groups may make additional contributions to the principal of the fund.

Have your heart checked

The Heart Association will conduct a coronary risk screening from 9 a.m. to 5 p.m., Feb. 9 and 10, in Room 301 Agricultural Administration Bldg. Nine factors that can influence heart disease will be checked. A report will be sent to participants after the screening. A $4 fee will be charged to cover the expense of materials used. For an appointment call 238-0053.

Two Valentine's Dinners

This year, for the first time, there will be two HUB Valentine's Candlelight Dinners. The popular meals will be served Thursday, Feb. 12, and Friday, Feb 13, from 4:45 to 7:15 p.m.

The menu will include: stuffed breast of chicken, prime rib of beef, stuffed pork chop, veal paprika, fantail shrimp and baked stuffed flounder with crabmeat.

There will also be the traditional hospitality tables and assorted salads, vegetables and desserts. Entertainment will be provided both nights.

Printing Services moves

Printing Services has moved from the Old Services Bldg. to the new Business Services Bldg. at the northwest corner of campus, off Bigler Rd. and adjacent to the 112th Air National Guard unit. Phone numbers for Printing Services remain the same.

Last date to file claim

March 31, 1976, is the last date on which the Employee Benefits Division will accept charges for a 1975 major medical claim from University employees or their dependents.

A major medical claim is established once an employee reports $100 of eligible, out-of-pocket medical expenses during the claim year period of January through December. If a major medical claim was not established in 1974, but charges were incurred in October, November, or December of that year, these charges may also be included in the reporting of expenses for a 1975 claim.

Some of the charges that are acceptable for a claim are doctors' office calls and other doctor charges not reimbursed by UNICARE, prescribed drugs, insulin, physiotherapy, and special equipment and appliances. Itemized receipts should be obtained for these charges; cancelled checks and cash register receipts are not acceptable. Among charges not covered are general physical exams, routine dental work, eye exams and lenses.

Claim forms and other information on how to report major medical expenses are available at the Employee Benefits Division, 133 Willard Bldg.

Winter Sky Watch

Mars, Saturn, the Pleiades Cluster, and Orion Nebula will be among the heavenly bodies to be seen during the Winter Sky Watch at the University Friday, Feb. 6, from 7:30 to 9:30 p.m., weather permitting.

The Sky Watch, hosted by the Department of Astronomy and the Astronomy Club, is open to the public free of charge.

The sessions are held in the student observatory atop Davey Laboratory, where visitors can view the celestial objects

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12th in grand total enrollment

PSU 11th in fulltime students

The University, which has been in a period of enrollment stabilization, has moved from 13th to 11th among the colleges and universities in the nation in fulltime enrollment and continues as 12th in grand total enrollment.

This is reported by Dr. Garland G. Parker, of the University of Cincinnati, in his annual survey prepared for the American College Testing Program. It is the 56th year for the national survey.

The total enrollment for Penn State, based on fall term figures, is given as 48,457 for fulltime students and 68,223 for grand total students while a year ago the figures of 46,179 and 64,721 were listed.

The five institutions that topped the 100,000 mark in fulltime enrollment were the State University of New York, California State University and College System, City University of New York, University of California, and University of Wisconsin System. In grand total enrollment, the University of North Carolina and State University of Florida System also exceeded 100,000.

Two other Pennsylvania universities are among the top 30: Pittsburgh ranks 30th with 20,903 fulltime students, and 28th with a total enrollment of 34,898 while Temple is 27th in grand total enrollment with 34,950 students.

In his analysis, Dr. Parker says the largest freshman class in ten years has pushed fall enrollment in the nation's four-year colleges and universities to the highest rate of increase so far in the 1970 decade while the 6,896,124 students reported by the 1,472 institutions reporting represents the largest increase since the 4.6 percent reported in 1969. He estimates 3,062 institutions may have enrolled more than 11,000,000 students this year.

Dr. Parker said the enrollment jump in freshmen "provides the surprise element in the enrollment story for the year."

The increase of 7.4 percent put 1,301,010 freshmen into 1,383 institutions, the largest increase since the 17.3 percent freshman increase in 1965. This increase was against a gain of only 0.3 percent in high school graduates last year over the previous year and an 0.8 percent increase in the estimated number of 18-year-olds.

Dr. Parker predicts college enrollments nationally will peak in the late 1970s and taper off in the 1980s. But he says the shifting enrollment patterns that provide more students of the non-traditional college age and interest groupings will offset the drop in institutions that plan ahead for change.

"If institutions of higher education rely primarily upon secondary school graduates for their incoming students, it is almost inevitable that enrollments will decelerate in the remaining 1970s, decline slowly in the early 1980s, and then fall off more precipitately in the later 1980s," Dr. Parker cautions.

"Many, if not most, institutions will need to address themselves to the challenges and opportunities involved in providing educational services increasingly to part-time students, adults, senior citizens, women, minorities, and continuing education students."

Enrollment of part-time students in the institutions covered reached 2,013,047 for a gain of 7.7 percent.

Dr. Parker noted also that:

Women maintain a long lead over men in most enrollment categories, up 5.8 percent over the previous year and comprizing 45.4 percent of the enrollment in 1,472 institutions.

Graduate enrollments increased 6.6 percent.

Regionally, the largest enrollment gain was in the East.

	Fulltime	Rank	Grand Total	Rank
State University of New York	232,282*	1	354,996	1
California State University College System	167,318	2	333,735	2
The City University of New York	137,734*	3	253,007*	3
University of California	119,862*	4	128,678*	5
University of Wisconsin System	108,353	5	143,482	4
University of North Carolina	84,307	6	107,841	7
State University of Florida System	79,121	7	116,038	6
University of Texas System	68,163	8	90,382	8
State University and Community College System of Tennessee	53,071	9	84,016	9
University of Illinois	52,896	10	60,347	13
PENNSYLVANIA STATE UNIVERSITY	**48,457**	**11**	**68,223**	**12**
Ohio State University	47,507	12	54,640	15
Indiana University	45,906	13	76,505	10
University of Minnesota	41,953	14	74,066	11
University of Maryland	38,597	15	59,157	14
Michigan State University	37,197	16	48,468	17
Oregon State Higher Education System	36,880	17	42,655	21
University of Michigan	36,392	18	45,837	20
Louisiana State University	34,174	19	46,595	18
University of Tennessee	33,779	20	48,576	16
Purdue University	29,956	21	41,379	22
Rutgers University	29,609	22	45,759	19
University of Colorado	26,573	23	34,429	29
Wayne State University	25,896	24	38,073	24
University of Washington	25,525	25	35,434	26
University of Cincinnati	24,081	26	38,641	23
Brigham Young University	22,660	27		
Texas A&M University System	22,083	28		
University of Arizona	21,227	29		
UNIVERSITY OF PITTSBURGH	**20,903**	**30**	**34,898**	**28**
Northeastern University			35,478	25
TEMPLE UNIVERSITY			**34,950**	**27**
New York University			30,350	30

* Estimated

Provost hunt now underway

The Search Committee for a new Provost of the University is accepting nominations and applications for the post.

Dr. Russell E. Larson, current Provost of the University, has announced his plans to retire Jan. 1, 1977.

The provost, as chief academic officer and deputy chief administrator, is responsible to the President of the University for administration of the institution's instructional, research, and public service programs.

Dr. John J. Coyle, Search Committee chairperson, said candidates should have an established national reputation and an outstanding record of accomplishments as a scholar, teacher, and administrator. Preferred qualifications for the position include significant experience in college and university teaching and administration.

(Continued on page four)

PENN STATE COLLECTION

Faculty Senate to receive reports on exams and summer term

The following reports and recommendations of the University Faculty Senate's Committee on Instruction will be presented to the Senate at its meeting Tuesday, Feb. 3.

EXAMINATION POLICY

Background

Over the past year the overall questions of improving Penn State's system for evaluating the competence of our students was discussed by the old Senate Committee on Academic Affairs and led to a report on the more specific topic of final examinations given and passed by the Senate on March 4, 1975. Much misunderstanding and confusion resulted from this legislation as many groups interpreted it in a different way than was intended by the sponsoring committee. Student, faculty, and administrative groups have discussed the legislation in detail since that time.

In order to clarify the issue, the Senate Council issued a clarification of the policy at the 12/9/75 meeting. In addition, President Oswald asked the Senate for a reëtirmation or revisad policy before calendars for 1977-78 and thereafter are issued. A motion was made and passed at the 12/9/75 meeting to refer the matter of Final Examinations to the Committee on Undergraduate Instruction and to report et the Feb. 3, 1976 Senate meeting.

General Philosophy

The committee has worked under the following assumptions:

1. Integration of material in all credit courses is dasirable and should ba expected.
2. A diversity of methods for integrating material and for evaluating student performance varying with field and faculty exists and should be encouraged.
3. Examinations have a dual purpose — evaluation and learning/teaching.
4. Ten weeks of instruction must be maintained in each course.
5. The examination and grading policy for each course, each term should be made public in written form. (Such a record makes available data on which an evaluation of the examination approach being used in each course could be based and also makes possible faculty pear control of individuals who are using inadequate evaluation procedures.)
6. Tha faculty member(s) teaching e course should be the authority on methods of evaluation and integration by the students but these objectives should be accomplished in the context of other faculty and students. Thus, there may need to be some general logistic rules adopted for the welfare of all students and faculty.
7. If the tenth week of the term is heavily used for examinations effective instruction in other courses probably will be impeded.
8. The final examination policy is to be consistent with the term calendar of the University.
9. A basic change in the philosophy of final examinations is not desirable and the policy to be advanced should merely reinforce and interpret the general philosophy proposed earlier.

Recommendations

Based upon discussions and all background materiel available, the committee recommends the following policies — a new general examination policy (44-10) and a revised final examination policy (44-20). Neither is a basic change in educational policy. It is further recommended that the Provost implement both policies effective fall term 1976.

Policy 44-10 General Examination Policy

Periodic examination of student accomplishment is essential both for teaching/learning and evaluation purposes. Examinations may include traditional written examinations, whether in-class or take-home; oral examinations; term papers; laboratory or project reports; studio projects; etc.

The faculty teaching and coordinating a course are responsible for both the method and substance of examinations used in each course including the final examinetion or other integrating evaluative instrumant.

In the case of multiple section courses the faculty teaching the various sections will determine the examination policy for the course (e.g., common examinetions), subject to any restrictions determined by tha entire faculty of the section, department or division offering the course.

Notification of the examination procedures to be used in each section of each course must be made available to the students in the section during the first ten calendar days of a ten-week term or its equivalent. A written notice is to be placed with the head of the department or division offering the course for courses offered at University Park and with the director for courses offered at Commonwealth Campuses. These notices will be maintained in a public file for reference by both students and faculty upon request.

Policy 44-20 Final Examination Policy

Preamble

Final written examinations are valuable for university credit courses because they can fulfill two important academic objectives: student integration of instructional material and end-of-term evaluetion of student echievement. However, valid means for accomplishing these objectives other than the final examination (e.g., term paper, final project report, take-home examinetions, etc.) exist. Coure instructors should determine which of these methods is most appropriate and effective in each undergraduate (including 400 level) credit course taught. Regardless of which type of activity is chosen, care must be taken to not unduly interfere with the full complement of scheduled instruction of the student.

Policy

To provide for student integration of instructional materiaf, end-of-term evaluation of student performance, and instruction extending to the end of the scheduled period, course instructors are expected to:

1. Determine a method of providing for meaningful integration and evaluation of student performance.
2. Offer a full schedule of instruction (e.g., ten weeks in a ten-week term).
3. Schedule no examinations during the last week of classes. (Quizzes and narrowly limited tests in support of classroom instruction may be given during the final week.)
4. Schedule ony end-of-term written examinations during the final examination period. Examinations will be scheduled in this period by the University Scheduling Officer at University Park and the office of the director of the Commonwealth Campuses based on the notices filed under Policy 44-10. (Conflict final examinations are covered under Policy 45-80.)

OR

5. Where end-of-term written examinations are not required, require the submission of any alternative integrative and evaluative means (e.g., term paper, final project report, take-home examinations, or studio projects) no earlier than the first day of the final examination period unless an exception for educational reasons has been authorized by the faculty of the department or division offering the course.

Postscript

The committee believes that the coupling of a general examination policy with the final examination policy clarifies the entire role of examinations. Clearer specifications of conditions and approaches which protect the last week of instruction while simulteneously permitting a diversified approach to evaluation of student performance is appropriate to the diversity of courses and programs of the University.

SUMMER TERM

Background

At the December meeting of the Senate, President Osweld asked the Senate to advise him jointly with administrative and student representation end input as to whether the University should retain the ten-week Summer Term or should, beginning in the Summer of 1977, move to an eight-week Summer Term. A subsequent motion to require the Senate Committee on Undergraduate Instruction to prepare a motion for Senate action et the February 3, 1976, meeting was made and passed.

Consideration ot the Committee

The committee has studied previous reports on the Summer Term and received input from eppropriate student and administrative groups. A primary assumption of the committee was that there was no conclusive evidance that the length of the Summer Term within an eight- or ten-week period would have any appreciable effect on teaching and learning.

The committee considered the following items as important to eny final decision.

1. The effect of the Summer Term length on the four major categories of students enrolled in the Summer Term.
2. The effect of the Summer Term length on political and budgetery items such as stete appropriations, granting agency reimbursement of salaries and overhead, possible tuition reduction and toss of income, and possible problems with faculty contracts and saleries.

With respect to students served it is interesting to note the approximate numbers and percentages of students involved in Summer Term 1975 at University Park by category as shown below. The percentages have not changed appreciably over the past several years.

	Summer Term '75 Approximate Enrollment	Pct.
1. Beginning Freshmen	880	8
2. Continuing Undergraduates	5500	50
3. Continuing Graduate Students	4000	36
4 Summer Graduate Students in the College of Education	600	6
TOTAL	10,980	100

In reviewing each of these groups the advantages and disadvantages to each become apparent. However, data which lead to a definite conclusion of which system is preferable do not emerge.

1. For beginning freshmen and continuing undergraduates the ten-week term has the advantage that a full schedule of 6 to 13 credits is possible rather than a reduced load of 6 to 10 credits under the eight-week module. For continuing graduate students a simlar reduction from 10 credits maximum to 8 credits maximum is not necessary.
2. For continuing students the only disadvantage of the ten-week module is that the rest and retaxation period in the summer is minimal.
3. For beginning freshmen the major disadvantage is that many high school graduations do not occur until mid-June. The latest possible starting date might overlap with these events. (e.g., In Summer, 1977, the latest possible starting date for orientation and advising would be June 8 even if Penn State summer commencement was held concurrent with fall registration week.) However, these students are only eight percent of the summer enrollment end mey decrease further as the college-age population decreases.
4. For the primary end secondary school teachers, the eight-week module has the decided advantage of not overlapping with public school schedules and also allowing some time for summer vacation.

The political and budgetary remifications of a change in basic schedule are even less well-defined. It appears that the University could lose en appreciable amount of income as a result oi a change and that problems with faculty salaries and contracts could be severe. The time limit on consideration of these effects was too short to come to any definite conclusions.

Thus, the committee came to the conclusion that since the basic ten-week Summer Term calender serves many students well and that the other effects on the University are undetermined at this time, that no change should be mede at the present time. However, the committee strongly believes that experimentation with other calendars where appropriate and offering timited numbers of courses to spaciel groups in a closad system are desireble and should be encouraged. Thus, an interim plan of action is recommended.

Recommendations

The committee makes the following re commendations for Senate action to b transmitted to the President as the Senate advice on the Summer Term calendar.

1. The Universlty should continue for th next several years to offer the basi ten-week Summer Term starting a late as possible in June and endin prior to Fall Term registration. Cas sideretion should be given to holdin Summer Term commencement on th Saturday before Labor Dey followin Fall Term registration to accompli this later starting date.
2. Limited offerings to restricted pop lations (e.g., primary and seconda school teachers) with restricted cour offerings in a shorter time perio should be encouraged during the sum mer period. The course offering would be limited to those offered as arranged with other units by the spa soring academic unit. NO cross-re istration is to be allowed between th shorter time period and the basic te week Summer Term.
3. Experimentation with alternate Sum mer Term calendars at campuses o her than University Park should be pe mitted for clearly stated objectiv which can be evaluated.
4. It is clear that any soundly based re commendation for revision to th above policies requires a sophisticat evaluation of budgetary and politic problems associated with the chan as well as the academic suitability the calendar. This cannot solely b done by a Senate Standing Commit tee as early recognized. It is recom mended that the Faculty Advise Committee to the President advis on the method of study for full Inp of faculty, students, and administration. Results of this study should b made available to the University Fa ulty Senate for discussion.

Report issued on Black enrollment

The President's Task Force on Increasi Black Enrollment has submitted its rep to Dr. Oswald.

In a preliminary review of the report, Oswald said the Task Force has done excellent job. He said he now plans to c tact leaders of the state's Black commu ties, especially in the Philadelphia a Pittsburgh areas, asking further advi on how best to implement it.

In its report, the Task Force made number of specific recommendatio which will be the subject of detailed study during the next two months before the report is submitted for review by the Affirmative Action Committee of the Board Trustees at its March meeting.

Between now and then, each dea Campus director and member of the Pres dent's staff will be asked to consider ho they could best proceed to implement th several recommendations.

The Task Force on Increasing Black E rollment was appointed on May 20, 19 by Dr. Oswald and was charged specifica to:

—Consult with various groups such the Black Student Caucus, the Forum Black Affairs, Black alumni, and vari community groups.

—Study enrollment trends of Black st dents by campus at Penn State, across t Commonwealth of Pennsylvenia, and i similer institutions in the country.

—Consider both short-range and lo range goals together with suggested mod operandi.

—Propose specific recommendati which will lead to increased enrollment Black students at various campuses the University.

Dr. Robert E. Dunham, vice president f undergraduate studies, and Dr. Raymo O. Murphy, vice president for student f fairs, were co-chairmen of the 10-membe Task Force.

They said the focus of the group's e fort, from its outset, was on ways i means of increasing the number of Bl students through regular admission chi nels of the University.

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University Park Calendar

January 29—February 8

Items to be included in this calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, Jan. 29
Commons Videotape, 12 noon, Kern lobby. Consumer Survival Kit, "Sure Lock Homes."
FSHA 410 dinner, "Central America," 5:30 p.m., Maple Room, Henderson Human Development.
University Theatre, "Hay Fever," 8 p.m., Playhouse Theatre.
Free U, "Alternatives in Learning," 1-4 p.m., 7:30-9:30 p.m., HUB ballroom.

Friday, Jan. 30
Sports: Men's fencing, vs. Baruch and NYU, 3:30 p.m., Rec Bldg.
University Readers, 7:30 p.m., Room 112 Kern.
Episcopal Student Assoc. Square Dance with the Buffalo Chipkickers, 7:30 p.m., HUB ballroom.
GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
University Theatre, "Hay Fever," 8 p.m., Playhouse Theatre.
Sharon Brook, piano, 8:30 p.m., Music Bldg. recital hall.

Saturday, Jan. 31
Sports: Men's fencing, vs. Army, 1 p.m., Rec Bldg.
Campus Crusade for Christ Square Dance, 7:30 p.m., HUB ballroom.
University Theatre, "Hay Fever," 8 p.m., Playhouse Theatre.

Sunday, Feb. 1
Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Robert C. Fox, State College.
Black Christian Fellowship worship service, 11 a.m., Cultural Center, Walnut.
University Readers, 7:30 p.m., Room 112 Kern.
Eastern Orthodox Christian Fellowship, 9 a.m., HUB assembly room.

Monday, Feb. 2
Library Seminar, "Term Paper Workshop," 7 p.m., Room W110 Pattee.
African Studies Forum, 7:30 p.m., Cultural Center, Walnut. John J. Williams, graduate student in accounting, and Dr. William J Schrader, professor of accounting, on "Economic and Political Conditions In Kenya and Tanzania."

Tuesday, Feb. 3
Library Seminar, "Environment Reference Materials," 7 p.m., Room W110 Pattee.

Wednesday, Feb. 4
"Noondays," devotional period, 12 noon, large chapel, Eisenhower Chapel.
Sports: Men's basketball, vs. Temple, 8 p.m., Rec Bldg.

Thursday, Feb. 5
Commons Videotape, 12 noon, Kern lobby.
Friday, Feb. 6
Folk and Square Dance Roundup, 7:30 p.m., south gym, White.
GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, Feb. 7
Sports: Men's fencing, vs. New Jersey Tech., 1 p.m., Rec Bldg. Men's swimming, vs. Bucknell, 2 p.m. Women's basketball, vs. Cortland, 2 p.m., White. Women's swimming, vs. West Chastar, 7 p.m. Wrestling, vs. Navy, 8 p.m., Rec Bldg.

Sunday, Feb. 8
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Gerald E. Gipp, education.
Black Christian Fellowship worship service, 11 a.m., Cultural Center, Walnut.
Penn State Slalom, Canoe and Kayak Competition, Natatorium, team finals, 2:30 p.m.

Seminars

Thursday, Jan. 29
Chemistry, 12:45 p.m., Room 333 Whitmore. James S. Matthew, University of Miami, on "Infrared Spectroelectrochemical investigations of Blood Protein Adsorbed at Solid-Solution Interfaces."
Anthropology, 3:30 p.m., Room 107 Social Science. James S. Dutt, project research associate, on "Environment, Migration and Perceived Health in Southern Peru."
Physics, 3:50 p.m., Room 117 Osmond. R. T. Schumacher, Carnegie-Mellon University, on "The Bowed String and the Bow on Violins."
Philosophy, 4 p.m., Room 167 Willard. Alphonso Lingis on "DEATHBOUND THOUGHT, Authenticity in Heidegger."
Meteorology, 4 p.m., Room 26 Mineral Sciences. Dr. Ariel Cohen, Drexel University on leave from the Hebrew University, Israel).
Computer Science, 4 p.m., Room 325 Whitmore. Dr. Zvi Galil, IBM Research Center, on "Real Time Algorithms for String-Matching and Pallndrome Recognition."
Computation Center, 7:30 p.m., Room 105 Osmond. "PSU Structured WATFIV (4)."
Population Issues Research Office, 2:30 p.m., Room 101 Kern. Dr. John Knodel, sociology, University of Michigan, on "Some Current Research Topics in Historical Demography."
Microbiology and Cell Biology, 4 p.m., Room S2 Frear. Robert A Schlegel, biology, University of Utah, on "The Microinjection of Macromolecules into Culture Cells by Fusion with Red Blood Cells."

Monday, Feb. 2
Entomology, 4 p.m., Room 204 Patterson. Dr. Donald H. Petersen, plant pathology, on "Insect Control and Plant Protection Programs in the Soviet Union."
Computation Center, 7:30 p.m., Room 105 Osmond. "Text Processing (1)."
Organic Chemistry, 8 p.m., Room 333 Whitmore. Dr. Robert Minard.

Tuesday, Feb. 3
Plant Pathology, 9:45 a.m., Room 213 Buckhout. Sadhana Neurgaonkar on "Genetics of the Host."
Analytical Chemistry, 12:45 p.m., Room 333 Whitmore. C. Roland Jr. on "Raman Spectroscopy."
Water Pollution Control, 2:20 p.m., Room 101 Chambers. "Alternative Disposal Systems."
Nuclear Engineering, 3:55 p.m., Room 228 Sackett. William Hannum, assistant director for Reactor Safety, Energy Research and Development Administration, Washington, on "Liquid Metal Fast Breeder Reactor Safety."
Philosophy, 4 p.m., Room 167 Willard. Ernesto Grassi, University of Munich, on "The Polity of Common Sense and Imagination."
Aerospace Engineering, 4 p.m., Room 232 Hammond. George Seikel, Chief, Plasma Physics Branch, NASA Lewis Research Center, Cleveland, on "Energy Conversion and Space Propulsion at NASA Lewis — Programs and Projections."

Tuesday, Feb. 3
Biochemistry and Biophysics, 4 p.m., Room 101 Althouse. Jean Brenchley, microbiology and cell biology, on "Regulation of Ammonia Assimilation in Klebsiella and Salmonella."
English, 8 p.m., Room 101 Kern. Stanley Weintraub on "Autobiography and Authenticity: Memoir Writing among Some Late Victorians."
Inorganic Chemistry, 8 p.m., Room 333 Whitmore. Dr. Wolfgang Hermann, University of Regensburg, on "Reaction of Transition Metal Hydrides with Diaze Compounds."

Wednesday, Feb. 4
Fuel Science, 4 p.m., Room 244 Deike. James Reuther, graduate student, on "Limiting Equivalence Ratio in Premixed, Quenched, and Fuel-Rich Hydrocarbon/Air Flames."
Biochemistry, 4 p.m., Room 101 Althouse. Lata Ramanathan on "Chemical Modification and Labeling of Antibodies."

Thursday, Feb. 5
Chemistry, 12:45 p.m., Room 333 Whitmore. Samuel Danishefsky, University of Pittsburgh, on "Recent Progress in Total Synthesis."
Meteorology, 4 p.m., Room 26 Mineral Sciences. Daniel Keyser, graduate student, on "Sensitivity Tests with a Parameterized Mixed-Layer Model Suitable for Air-Quality Simulations."
Computation Center, 7:30 p.m., Room 105 Osmond. "Text Processing (2)."

Exhibits

Museum of Art: Recent Sculptures by John Cook. Hugo Weber, A Retrospective Exhibit.
Zoller Gallery: Student Sculpture Exhibition, through Jan. 30. David Hare Exhibition, opening Feb. 1.
HUB Gallery: Jack Tar, American Profiles of Merchant Seafarers, 1794-1803 (Smithsonian Institution).
Kern Gallery: Central Pa. Scholastic Art Show through Feb. 1. Colombian Crafts, through Jan. 31. Nick Ruggieri Bicentennial Art Exhibit, sponsored by the Harrisburg Patriot News.
Pattee Library: Main lobby and Rare Books Room, Charles Blockson, "The Black Experience in America — from Colonial Times to the Present," opening Feb. 2.
Cultural Center, Walnut: Charles L. Blockson, "Post Cards on Black Life," and "Books on Black Pennsylvanians," opening Feb. 2.
HUB, Main Lounge: Charles Blockson, "Athletes," "Literature," "Music," and "Politics," opening Feb. 2.
Chambers Gallery: Musical Instruments, through Jan. 29. Graduate Student Exhibition, all media, opening Jan. 30.
Pattee Library: East Wing Corridor, "Paintings and Drawings," Maureen Russell Neil. Main Lobby, "Be Glad Then America" exhibit, through Jan. 31.
Sackett Gallery: "Penn State — Architecture," drawings, models and publications by Penn State architecture students.

Films

Wednesday, Feb. 4
GSA Commonsplace Theatre, "The Harder They Fall," 7:30 and 9:30 p.m., Room 112 Kern.

University Schedule

Monday, Feb. 2
First day of signing Spring Term NDSL, BEOG, and University Long Term Loans, Room 108 Shields.

Meetings

Thursday, Jan. 29
Penn State Federal Credit Union annual meeting, 7:30 p.m., Room 101 Kern.

Monday, Feb. 2
College of Health, Physical Education and Recreation faculty, 7 p.m., Room 109 White.
A.P.E.S., 7:30 p.m., Room 107 Social Science. Willard Martin on "Pennsylvania Dutch Culture."

Thursday, Feb. 5
College of Business Administration faculty, 10 a.m., Room 201 Business Adm.

Faculty notes

Emeritus rank has been conferred by the University's Board of Trustees on four faculty members who retired Jan. 1.

They are. **Lloyd E. Adams,** professor emeritus of entomology extension; **Charles C. Dillio,** professor emeritus of mechanical engineering; **Dr. Samuel B. Guss,** professor emeritus of veterinary science extension; and **Dr. Harold J. O'Brien,** associate dean emeritus for Commonweith Campuses in the College of the Liberal Arts.

Dr. Leonard R. Kyle has been appointed to the University faculty as professor of agricultural economics in the Bahamas for two years.

He will serve as agricultural economist for the Bahamas Agricultural Research, Training and Development Project (BARTAD), a program funded by the U. S. Agency for International Development.

Dr. Kyle, whose appointment became effective Jan. 1, has been serving as professor and extension specialist at Michigan State University since 1953. He had previously served on the faculties of the University of Illinois, Purdue, and Ohio State.

He earned the B.S. degree in agricultural engineering from Michigan State and advanced degrees in agricultural economics from Purdue.

Dr. Kyle is a member of the American Agricultural Economics Association, the American and Michigan Societies of Farm Managers and Appraisers, and Phi Beta Kappa.

Former football coach **Charles "Rip" Engle** is the second recipient of the "Babe" Hollingberry Award from the East-West Shrine Game.

The award is given to the former player or coech in the East-West Shrine Game who has "distinguished himself in American life." President Ford, a former center and linebacker at the University of Michigan, won the award when it was instituted last year.

Engle, who never had a losing season in 16 years as head coach at Penn State, serves as selection chairman of the East team for the annual charity game. He is a member of the National Football Foundation Hall of Fame.

Engle recorded more victories than any other Penn State football coach, roiling up a record of 104 wins, 48 losses and four ties before turning over the coechlng reins to Joe Paterno in 1966.

The award is nemed in honor of Hollingbery, who was one of the founders of the East-West Shrine Game and coeched the first 20 West teams.

Dr. Samuel M. Curtis, associate professor of agricultural education, is co-author of a new textbook for junior high school students entitled, "Careers in Focus: Exploring Occupations in Agribusiness and Natural Resources."

Designed for career exploration, the book examines 27 areas of agribusiness and natural resources. A unique phase involves the student in performing a task common to the career under discussion. For the occupation "seedsman," for example, the student conducts e germination test. For veterinarian, the student uses a microscope to look for internal parasite eggs.

Co-author is Dr. R. J. Mercer, of Clemson University.

Dr. Robert E. Newnham, chalrman of the solid state science section In the College of Eerth and Mineral Sciences, has been nominated by the National Committee for Crystallography of the National Research Council to serve as one of its members for a three-year term. The committee, which selects four members each year, meets annually to meintein relations between the International Union for Crystallography and the crystallogrephers of the United Stetes.

Dr. Geoffrey Godbey, essociete professor of recreetlon and parks, is the coauthor of a new book, "Leisure Studies and Services: An Overvlew," publshad by W. B. Saunders Press or Philedelphie.

The book is designed to be an introduction to the study of leisure behavior, utilizing theories and research findings to examine relationships between leisure end work, education, religion, the family, the life cycle, sexual behavior, the community, and government.

Dr Joseph Pedulla, assistant professor of physics at Capitol Campus, has been awarded a $1,500 research grant by Hershey Foods Corporation.

Dr. Pedulla plans to use this support for his research of electronic and surface properties of the amnoacids. This investigation of the amino eclds is being undertekeen to gain e fundamental understanding of the rotes proteins and enzymes play In biologlcet processes and systems. His long-range plan is to set up a laboretory for the continuing eresrch of these topics that would also be a source of expertise in the field of physics available to local industries.

Edward H. Browder, assistant professor of naval science, was recently promoted to the rank of captain in the United States Navy. Capt. Browder has been e navel officer for 18 years and was a commending officer of a Poseidon bellistic missile submerine, prior to joining the faculty.

Two administrative posts open

Applications and nominations of candidates for the position of director of the Center for the Study of Higher Education have been requested.

The Center, established in 1969, has a full-time professional staff of six, to whom the director has a collegial relationship, and a number of part-time appointments. Primary attention is devoted to research and to public and university service in higher education. The staff contributes significantly to the graduate program in higher education through teaching and research supervision. The director of the Center reports to the Provost of the University.

Candidates should have substantial accomplishments in the field of higher education or in related disciplines. In addition to a university background, some experience at the state, regional or national levels working with leaders involved with research and policy formation in higher education is desirable.

Nominations and applications are invited from persons who have had experience as faculty members, researchers, and administrators in a university setting; as major officials with responsibilities in higher education at the state, regional or national levels; or as professionals with extensive involvement in foundations or associations.

The deadline for nominations is Feb. 17. Nominations should be sent to: Dr. James B Bartoo, dean of the Graduate School and chairman, Search Committee, 203 Kern Graduate Bldg.

Applications and nominations are also being accepted for the position of assistant vice pres dent for student affairs for branch campus liaison and coordination.

The position, available July 1, involves liaison communications and coordination of system-wide policies and procedures, and programs and services in the Office of Student Affairs; selection, development and evaluation of branch campus staff; program development, coordination and appraisal.

The qualifications: a doctorate is preferred, plus significant experience in university administration in the student personnel area. Experience preferably includes involvement in a multi-campus university setting and/or in two-year institutions.

Applications or nominations, including a resume and references, should be sent, before March 1, to Ms. Jane E. McCormick, assistant to the Vice President for Student Affairs, 235 Boucke Bldg.

Provost hunt

(Continued from page one)

Individuals should have an understanding of the functions, missions, and goals of a large, multi-campus, land-grant university. Candidates must have a commitment to programs of equal opportunity and affirmative action. They also must have the proven ability to communicate well with the University community and the public.

Applications with resumas and references should be submitted to:

Dr. John J. Coyle, Chairperson,
Search Committee, University Provost,
201 Old Main.

Dr. Coyle said applications are requested by March 1.

Funding opportunities

(212-1) Special Health Career Opportunity grant applications are now being accepted by the Health Resources Administration to increase admissions in school of medicine and public health by persons who will serve shortage areas and persons who are disadvantaged. Applications must be submitted to regional offices by March 1. Call 215-596-6475 for application material (Ref. 41FR-2104-05, 1/14/76)

(212-2) Proposed guidelines and a March 17 deadline date have been announced by the **Office of Education** for its **Bilingual Vocational Training** program. Projects include grants and contracts for training post elementary and secondary persons, persons in the labor market, and training allowances for participants. (Ref. 41FR2351-53, 2271, 1/15/76) (CFDA 13.556)

(212-3) The **Environmental Protection Agency (EPA)** has issued guidelines for federal agencies use of recycled materials, including procedures for **consultation.** Also issued were guidelines for solid waste management by federal agencies including **planning and analysis consultation** on recovery procedures. (Ref 41FR2255-63, 1/15/76)

(212-4) The **U.S. Department of Housing and Urban Development** has issued regulations for its **Community Development Block Grants** program which includes activities to develop community development plans and policies, evaluate programs, and implant activities. (Ref. 41FR2765-68, 1/19/76).

(212-5) The **National Institute of Education (NIE)** is now accepting **unsolicited proposals** (eff. 1/8/76) and policy information is available. Also available are preliminary program **plans for FY 1977,** including six major programs dissemination, basic skills, finance and productivity, education and work, school policy for problem solving, and educational equality (Ref. NIE summaries).

(212-6) The **Office of Federal Programs** (OFP/AASCU) has issued a special report on **federal support for preservice and inservice teacher training.** Agencies covered include: HRA, NSF, OE, and OHD. Six subject areas are included within the OE coverage: elementary and secondary, higher education, international studies, special project eci programs, special target groups and areas, and vocational education. (Ref. lold)

(212-7) The **Office of Education** has issued regulations for its **Desegregation of Public Education** program and announced a March 5 **deadline date** for applications. The program includes: technical assistance arrangements with State education agencies, general assistance centers, training institutes, and grants to school boards which provide for the employment of specialists. (Ref 41FR1875-84, 1/12/76) (CFDA 13.405).

Staff vacancies

Staff vacancies contained in this publication are those which generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in the intercom may be found in the Penn State Reporter.

This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network Line 475-1387). Applications for these staff vacancies will be received until 5 p.m.,

Thursday, Feb. 5. Do not contact the area that has the vacancy

MANAGER — COMMUNICATIONS, OFFICE OF BUSINESS SERVICES ... University Park

Responsible to the Director, Printing and Communications, for the planning, development and administration of the Communications Department, including University Addressing, Mail, and Telephone Services. A bachelor's degree plus four to seven years of effective management or similar administrative experience in the telecommunications field is required.

Black enrollment

(Continued from page two)

In fulfilling its charge, the Task Force consulted with various groups from within the University and with groups from communities in greater Pittsburgh and Philadelphia. Reactions were solicited from students, faculty, staff, alumni, high school counselors, and Black community leaders during meetings held at the Ogontz Campus, at the University Park Campus, in Philadelphia, New Kensington, McKeesport, and Pittsburgh.

The Task Force recommended establishment of goals for increasing enrollment of Black students and an operational plan for implementing the goals.

In developing an overall plan for increasing Black enrollment at Penn State, the group examined a broad number of areas, including student recruitment, admissions policies, financial aid, academic support services, expansion and role of Black faculty and staff.

Members of the Task Force, in addition to Dr. Dunham and Dr. Murphy, are Dr. James B. Bartoo, dean of the Graduate School; Dr. Glenn G. Carter, director of the Office of Secondary School Relations; Joseph F. Douglas, associate dean of academic instruction for Commonwealth Campuses; Dr. Edward V. Ellis, associate dean for continuing education at the College of Human Development; Dr. Patricia Ferrell, associate professor of recreation and parks and former affirmative action officer; Dr. Herbert G. McGibbney, director of the McKeesport Campus; Dr. Nunzio J. Palladino, dean of the College of Engineering; and Mrs. Thelma T. Price, assistant vice president for student affairs for special program and services.

News in brief

(Continued from page one)

through telescopes under the guidance of astronomy club members. Each viewing session is preceded by a briefing in room 445 Davey Lab.

No tickets are required, but the show goes on only if it is possible to see most of the brighter stars with the unaided eye. If the sky is cloudy, the program will be re-scheduled for the following night, Saturday, Feb. 7.

"Black Experience" exhibit

Charles L. Blockson, a former Penn State football player and track star (he once held the discus and shot put records), will present his noted exhibition, "The Black Experience in America — From Colonial Times to the Present," Feb. 2-15 at the University.

The exhibition includes books, pamphlets, photographs and manuscripts from Mr. Blockson's personal collection, recognized as one of the largest private African-American collections in the United States.

The exhibition will be held at three locations: Pattee Library, in the main lobby and in the Rare Books Room; the Cultural Center, Walnut Bldg.; and the main lounge of the Hetzel Union Bldg.

The new lobby of Pattee will feature three topics: "West Indies," "Black Women" and "Theatre and Art." In the Rare Books Room, the following topics will be highlighted. "Early Views of African Life," "Slavery and Abolitionism," "The Revolutionary War Years," "The Civil War Years" and "Religion."

Featured in the main lounge of the Hetzel Union Bldg.: "Athletes," "Literature," "Music" and "Politics."

At Walnut Bldg.: "Post Cards on Black Life" and "Books on Black Pennsylvanians."

The exhibition is sponsored by the Black Studies Program at the University.

Musica da Camera concert

Musica da Camera, University chamber orchestra conducted by Dr. D. Douglas Miller, associate professor of music, will perform a benefit concert for the group's tour fund at 8:30 p.m. Sunday, Feb. 15, in the Museum of Art.

Proceeds from the concert, which will also feature performances by the Alard and Atherton string quartets, will benefit a fund for the chamber orchestra's projected May, 1977, European performance tour.

The program will include chamber pieces by such noted composers as Mozart, Heydn, and Shostakovich.

Tickets are available at Room 232 Music Bldg. from 8 a.m. to noon and 1 to 5 p.m. Monday through Friday. Mail orders accompanied by payment will be accepted.

The donation requested per person will be $5.00, which is a tax-deductible gift to Musica da Camera.

Surrealist show in Zoller

David Hare, American Surrealist sculptor and painter, will exhibit painting and drawings executed at various times during his career in an exhibit opening Sunday, Feb. 1, in Zoller Gallery.

Mr. Hare, among this country's artists associated with Andre Breton and the Surrealist movement in America in the 1940s, will also visit the University to conduct seminars for art students and for the public; reception for the exhibition at 7:30 p.m. Monday, Feb. 9, in the gallery.

A student of analytical chemistry in schools in New York, Arizona, and Colorado until 1936, Mr. Hare was one of the important pioneer artists attending the 1937 Surrealism conference at Penn State and exhibiting in the group Surrealism show held in conjunction with the conference.

His work was the subject of one-man shows in the 1940s in galleries in San Francisco, New York, and Paris, and he has had works shown in Latin America.

Architect Percival Goodman commissioned him to do an Eternal Light and Menorah for the Temple Beth Al building in Providence, R.I.

Work by Mr. Hare has been widely reproduced in newspapers, magazines, art books, and art periodicals, and included in virtually every exhibition of important American sculpture since 1946.

In recent years, Mr. Hare has turned primarily to paintings, which "continue his symbolic thrust directed toward the universalities of life," according to "Art in America."

The Zoller Gallery exhibit, on view through Feb. 20, was shown previously at the Alessandra Gallery, New York, and will travel to galleries in Massachusetts, Texas, and Ohio.

Renaissance Fund annual report

Dr. James B. Bartoo, dean of the Graduate School, and Dr. Joseph F. Spiegel, director for financial aid, have been elected to the executive committee by the Board of Directors of the Renaissance Fund at the Board's annual meeting.

Presenting the scholarship report at the meeting, A. M. Wellington, professor of counselor education and program director, reported that of 84 Renaissance Scholars enrolled for the fall term, 14 had 4.00 averages, 25 made the dean's list, and 42 maintained averages above 3.00.

Each Renaissance Scholar receives $325 per term as a budget base that is applicable for these very able and demonstrably needy students to attend Penn State.

Renaissance, with Scholars on 10 campuses and in 10 Colleges, is identified as the only major scholarship program open to both two- and four-year degree candidates and operating throughout the University system.

An additional $14,000 in gifts to Renaissance is needed to meet the expenses of the present Scholars for the 1976 spring and summer terms. University associates may send checks payable to the Renaissance Fund to 100 Old Main.

Lions-Panthers TV hit

The televised Penn State-Pittsburgh football game lost fall attracted more viewers than any other game on the ABC TV college football package.

Statistics released recently by the National Collegiate Athletic Association television committee show that the Penn State-Pitt game had the best rating (17.0) and most homes (11,800,000) of the year.

Council: resolving student allegations

University Council, meeting Jan. 22, continued discussion of its revision of the interim procedures for resolving student allegations of discrimination as required by Title IX of the Education Amendments of 1972, the interim procedures having been published last August.

The subcommittee, headed by Dr. Richard F. Reynolds, assistant professor of mathematics of the McKeesport Campus, discussed its recommendations for the formal procedures to be followed if discrimination charges reach the formal proceedings rather than terminate with informal action. The preliminary steps or informal procedures were reviewed at the last meeting.

Following the review at the meeting last Thursday, the subcommittee decided to prepare its recommendations in draft form for further and possibly final consideration by Council at the Feb. 5 meeting.

At the meeting, William J. Murphy, of Levittown, N.Y., graduate student in anthropology, was introduced as the new graduate student member of the Council, succeeding Kevin N. Wright, of State College, graduate student in community system planning and development. Mr. Wright will conclude his service upon the completion of the work of the subcommittee on revision of procedures for resolving student allegations of discrimination.

Dr. Russell E. Larson, provost, as chairman of the Council, presided at the meeting, and informed Council members that the recommendation of the Council that additional tuition should not be charged to students carrying more than 13 credits in a term will be forwarded to the President within the next few days. Council at its last meeting expressed the concensus that from an academic point of view, and without consideration of the financial side, no additional charges should be made.

NAS study puts Material Sciences and MRL at top of their fields

The program of the Department of Material Sciences and the Materials Research Laboratory at the University rank at the top of their fields, according to a new National Academy of Science study.

The department, which is headed by Dr. Phillip L. Walker Jr., Evan Pugh Professor of Materials Science, is a unit of the College of Earth and Mineral Sciences. It consists of sections in carbon and polymer science, ceramic science, fuel science, metallurgy, mineral processing and solid state science.

The Materials Research Laboratory is one of the oldest of the Intercollege research programs on the campus, involving faculty from eight departments with major representation from the University's Departments of Material Sciences, Physics and Electrical Engineering. Dr. Rustum Roy, professor of the solid state, is the director of the laboratory.

In the release of the four-year study by the National Academy of Sciences, it was noted that the interdisciplinary field of materials science was not covered in the American Council on Education or Roose-Anderson surveys of graduate education. The NAS study, therefore, may become the major national evaluation of departments in this field.

The evaluation by the NAS "COSMAT" study group was conducted using some of the new quantitative methodologies (1, 2) gaining increasing acceptance. The figures show the results of the committee's studies regarding the "strength" of the graduate programs of materials science departments. For both, it is found that the same ten departments occupy the upper-strength regions of the two diagrams.

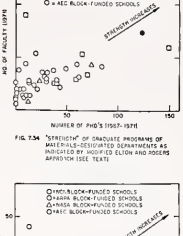


FIG. 7.34 "STRENGTH" OF GRADUATE PROGRAMS OF MATERIALS-DESIGNATED DEPARTMENTS AS INDICATED BY MODIFIED ELTON AND ROGERS APPROACH (SEE TEXT)

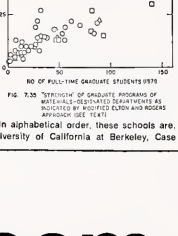


FIG. 7.35 "STRENGTH" OF GRADUATE PROGRAMS OF MATERIALS-DESIGNATED DEPARTMENTS AS INDICATED BY MODIFIED ELTON AND ROGERS APPROACH (SEE TEXT)

In alphabetical order, these schools are. University of California at Berkeley, Case Western Reserve, Illinois, Lehigh, Messechusetts Institute of Technology, Northwestern, Ohio State, Penn State, Rensselaer Polytechnic Institute and Stanford. Penn State, the study shows, is essentially tied for first place with M.I.T. (Dark circle shows Penn State on the figures.)

The report on the Materials Research Laboratories of the nation is the first national evaluation of the concept of interdisciplinary institutes and centers on university campuses. Insofar as such centers have grown very rapidly at all major universities, and the demends by Federel and State governments for societally relevant research are likely to accelerate this trend, the COSMAT study is of considerable interest to university administrations, according to Dr. Roy. He notes that of some 30 interdisciplinary materials laboratories, the majority (not including Penn State) were "block funded" since about 1962. The study evaluates the "productivity" of the laboratories in terms of graduate degrees, research papers and the cost of each. It evaluates the degree of interdisciplinary fusion achieved and the "coupling" with industry. On these parameters, the Penn State MRL stands very high.

While no exactly analogous ranking was conducted of the Intercollege Materials Research Labs, the Academy report grouped all labs into three groups. The first of these contened what was called the Major Materials Institutions. The report reads:

"Group A. Major Materials Institutions (MMI). Institutions which have a materials-center building providing a physical and intellectual focus for major materials research programs, relatively strong centralization of administration, a major degree program in materials, together with strong materials research in solid-state physics and chemistry."

In this category, Cornell was added to the ten universities previously identified.

An even more important evaluation of the Materials Research Labs comes from the fact that Penn State is one of only four labs newly selected for support by the National Science Foundation, Dr. Roy says.

The NAS study was directed by Dr. William O. Baker, president of the Bell Telephone Laboratories, and Dr. Morris Cohen, of M.I.T., with Dr. Roy serving as chairman of the panel conducting the University study.

In commenting on the University's high standing in the materials field, Dr. Roy noted thet one of the most important end definitive results of COSMAT was to show, thet at Penn State (and elsewhere), intercollege efforts on the campus are nearly always synergistic and not competitive with departments. Both the academic departments and interdisciplinary research units involved were enabled to attain excellence by active cooperation.

[1]National Science Board, "Graduate Education, Parameters of Public Policy," Washington, D.C., U.S. Government Printing Office.

[2]C.F. Elton and S.A. Rodgers, "Physics Department Rakings: Another Evaluation," "Science 174" (4009) (5 November 1971) 565-568. (Elton and Rodgers have found the Cartter rakings for physics institutions to be essentially supported by objective data

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intercom
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Black Studies offers 3 options

Three options are now available in the University's Black Studies Program to undergraduates in any major in any college. Options offered in the interdisciplinary, intercollege program are African Studies, Afro-American Studies, and the cross-cultural Black Studies.

Each of the three options has a specific emphasis. The African Studies Option is designed for students with special interests in Africa; the Afro-American Studies Option is slanted toward students interested in Afro-American culture and black people's development in the U. S., and the Black Studies Option is designed for students who may not wish to specialize in African or Afro-American Studies but combine courses from both areas.

Undergreduates can combine one ot the options with eny approved major field of study, according to Dr. Cyril E. Griffith, director of the Black Studies Program, and receive from the Black Studies Committee a certificate in addition to a diploma upon graduation.

The objectives of the program are to provide students with courses containing specific data about black culture and progress in Africa, the Caribbean, and the United States; to evaluate the relationships between Afro-Americans and black people in other parts of the world; to evatuete the relationships between the new states in Africe, the Caribbean, and other independent nations; and to make students aware of the contributions Afro-Americens have made to Americen culture.

The options are designed to help students understand the relationships between Afro-Americens, other minorities and the white majority in America; to provide black students attending a predominantly white institution with courses that will give them specific information about their heritage; and to provide students in all colleges with some academic training that will prepare them to deal more effectively with race relations in various professions.

News in brief

LaMontaine text issued

John LaMontaine's text of "Be Glad Then America" has been published by Penn State's Press. The 44-page book contains the libretto and extensive bibliographic notes on the sources ot the text, which was drawn entirely from actual pre-Revolutionary materials. Designed by Glenn Ruby and edited by Carole Schwager, the richly illustrated book reproduces a number of these original sources. It is available in soft-cover for $2 at Room 105 University Auditorium from 8 a.m. to 5 p.m. through Feb. 6 or at the Feb. 6, 7 and 8 performances.

Aging is lecture topic

Dr. Robert R. Kohn, professor of pathology at Case Western Reserve School of Medicine, will present a public lecture on "Biomedical Aspects of Aging" at 7:30 p.m., Monday, Feb. 9, in Room 108 Forum Bldg. The talk is sponsored by the Gerontology Center, Institute for the Study of Human Development, in cooperation with the Department of Biology.

Dr. Kohn, who teaches a graduate course in Principles ot Mammalian Aging and has published a popular text of the same title, has been actively involved in aging research for the fest 15 years. Most of his many research publications deal with human aging and disease, changes in connective tissue as a determinent of rete of aging and the characteristic age-incidence of some cancers.

Church historian to speak

Dr. Robert J. Bull, professor of church history at Drew University, will eddress the Centret Pennsylvenia Chapter of the Archeological Institute of America at 8 p.m. Tuesday, Feb. 10, in Room 112 Kern Graduate Bldg. The subject of his public lectura is "The Excavetions at Caesarea Mertima."

Dr. Bull is a distinguished scholar with long experience in Biblcel studies end Neer Eastern archaeology. Ha has su-

(Continued on page four)

Trustees named for provost review

An ad hoc trustee committee has been appointed of the Universlty to work with President Oswald in the review of candidates for the position of provost as recommended by the University Screening Committee.

The committee, which was named by W. K. Ulerich, of Clearfield, president of the Board, includes the chairpersons of the standing and special committees of the Board and the officers of the Board.

The members are: Michael Baker Jr., of Beaver, chairman; George H. Deike, Pittsburgh; Ralph Hetzel, Kent, O.; Samuel F. Hinkle, Hershey; J. Lewis Williams, Uniontown; and Or. Helen D. Wise, State College; Mr. Ulerich and Dr. Oswald will serve as exofficio members.

The ad hoc trustee committee, Mr. Ulerich said, will be convened upon the receipt by President Oswald of the report of the University Screening Committee.

Appointment of an ad hoc committee of trustees to work with the President and the University Provost Screening Committee was recommended to the Board at the Nov. 7 meeting by Mr. Baker, who suggested the appointments should be made after the election of officers of the Board at the January meeting. The Board voted to authorize the President of the Board to eppoint the ad hoc committee.

Faculty asked to conserve energy

The Executive Energy Conservation Committee at the University, headed by Ralph E. Zilly, vice president for business, has nearly completed an important initial phase of its duties — overseeing the operational changes, minor repairs, maintenance and installations that have resulted in savings estimated between $150,000 and $250,000 per year.

However, to be truly effective, things like installation of water flow restrictors and light timers and the removal of fluorescent tubes must be accompanied by energy conservation efforts by faculty, staff and students.

"The theme we've played over and over is that the Executive Energy Conservation Committee end the Office of Physical Plant can only be as successful as the cooperation from people permits," says J. Carroll Dean, manager of the energy conservetion programs. "The energy conservetion program at Penn State will be only 50 percent effective unless the whole University tamily gets concerned about it."

Mr. Dean points out that, despite reminders from the committee, windows are still left open at night and lights remain on long after people have left their offices. Some people, too, refuse to keep the heat at levels dictated by policy.

"I'm not sure how we convince people that energy wasted on the campus is money out of their pockets," says Mr. Dean, "but, believe me, that is the case. With fuel prices tripling, it's not difficult to see that taxpayers, those paying tuition and those working for the University will all be financially effected."

Mr. Dean stresses that channels exist for employees to participate in the energy saving ceuse, whether it be through complaints, requests for repairs or tips on conservatton. Repair requests should be made by celling the Service Desk at 865-4731. Suggestions on conservation, exclusive of repairs, can be made by calling on the "Energy Hotline" — 865-1117.

Mr. Dean also suggests that employees keep in contact with their individual building coordinators. Coordinetors are the leilson for faculty, staff and students with the Office of Physicel Plant. Coordinetors for a given building can be identified by contacting the Service Desk.

To those who think there is no energy crunch and that their individual efforts will be of no importance, Mr. Dean says: "Even if you choose to think there is no energy

(Continued on page four)

PENN STATE COLLECTION

Journal publishing may not be the road to riches,

Penn State's Press publishes five journals, all of which are edited by University faculty. In these articles, prepared by Nancy Miller of the Public Information staff, the editors describe their publications, and Press director Chris Kentera discusses some of the problems facing the field.

"When you publish most journals, you're guaranteed not to make money. In books you have more leeway; at least you can hope."

But even as he recognizes such grim economic realities, University Press director Chris K. Kentera is committed to journal publishing. "Journals perform an important function in the academic community," he says. "Someone has to publish them."

Most often the job falls on university presses. The Pennsylvania State University Press publishes five journals: "The Chaucer Review," "General Linguistics," "The Journal of General Education," "Philosophy and Rhetoric," and "The Shaw Review."

Mr. Kentera notes that only one of the five is managing to break even. The other four must be subsidized by the Press.

"This isn't unusual. Journals everywhere are in a financial bind," Mr. Kentera continues. "Manufacturing and distribution costs are rising. Average composition costs per page, for example, have risen from $7.80 to $20.00 in the past three years."

Because journals seldom make money, many commercial publishing companies won't take them on. As a result, most journals are published by either specialized journal publishing corporations or universities. And because university presses seldom expect to show a profit, they are rapidly taking over a large share of the job.

Although the financial squeeze has forced some journals to cease publication in recent years, the field is far from moribund.

"We get 50 to 60 requests each year to publish other journals," says Mr. Kentera. "Some of them are already in existence, and the editors are looking for a new publisher, but many of the requests come from people wanting to start new publications."

The chances of getting such requests accepted are decreasing. "The number of journals published has been growing for the past 20 years," Mr. Kentera points out, "but now it's leveling off and may even decrease."

He admits that in his three years of directing Penn State's Press, he has seriously considered taking on only two new journals, and in the final analysis, both were rejected.

What makes a new journal attractive?

"It must be a first-rate and interesting idea," says Mr. Kentera, "and, of course, it must represent a sound risk economically."

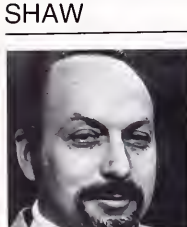
Subscriptions play a major role in assessing economic feasibility, so some guarantee of subscribers is a prerequisite for proposed new journals. Ironically, at the same time that manufacturing and distribution costs for journals continue to rise, subscriptions are falling off.

"You feel you're ahead of the game just to keep what you've got," says Mr. Kentera.

Inflation has forced many libraries — which probably account for at least half of all journal subscriptions — to cut back on their orders. Individuals, too, are dropping subscriptions and relying more on library copies.

"The most economically successful jour-

SHAW



Stanley Weintraub

Last September, "The Shew Review" published its 25th anniversary issue. For 19 of those years, the journal has been a constant companion of Dr. Stanley Weintraub, research professor of English and director of Penn State's Institute for the Arts and Humanistic Studies.

"I think it must have been naivete that first got me involved with it," Dr. Weintraub reflects with a resigned chuckle. "Several of the previous editors found themselves unable to do the work, and the Shaw Society, which then published the journal, asked me to take over. I had no idea how much work would be involved."

The work has paid off. In two-and-a-half decades, "The Shaw Review" has grown from a mimeographed bulletin "with a lot of gossip in it" to a full-fledged scholarly journal with a worldwide circulation of about 800.

"I don't think anybody can write about Shaw without seeing the Review regularly," Editor Weintraub says. "It's the only place where a continuing bibliography of Shaw studies is published, and we publish pieces that couldn't be found anywhere else. For example, we're about to print a lecture given in 1908 by the woman who first played the title role in 'Major Barbara.' Shaw directed his own production, and she talks about him as a director."

The University Press took over "The Shaw Review" in the early 1960s just before the Shaw Society folded. "The involvement of the press is very minimal," Dr. Weintraub explains. "They make it possible to get cheaper printing rates and they take care of depositing the money. But all the editing work is done by volunteer labor."

This volunteer labor has helped make "The Shaw Review" the only Penn State journal operating in the black. "My wife Rodelle, the Review's assistant editor, and I do an awful lot of proofreading," Dr. Weintraub notes, "and I do a lot of the journal's correspondence by typing out letters in my usual way — with one finger. We cut corners where we can."

A few years ago Dr. Weintraub decided against having a summer issue of the journal and to keep it as "a quarterly without a summer edition."

"The summer quarter would have been the weakest issue in terms of reader response and the most difficult to put out due to shortages of personnel during that season," he notes. "Cost wasn't a factor in making the decision then, but it would certainly be now. A number of journals are going to three issues per year."

Another change in "The Shaw Review" is the appearance of special issues. Like many journal editors, Dr. Weintraub has found that these issues are favorably received.

"They contain a coherent mass of material and appeal to a specific interest that is often interdisciplinary," he says. "For instance, our special issue on Shaw and Woman, edited by Rodelle, might interest not just Shaw scholars, but people interested in women's studies as well."

Support for this supposition came in a letter from a woman scholar in California.

"She wrote to us that she had looked for our issue on Shaw and Woman in two university libraries, and at both it had been ripped off," Dr. Weintraub recalls. "We sent her a copy, and figuring that here was a way to make another sale, we wrote to the libraries and offered to sell them replacements. We got the new orders."

This kind of meticulous attention to detail characterizes Dr. Weintraub's long association with "The Shaw Review." If ignorance of the ramifications of the work led him to take the job, years of experience haven't dulled his commitment.

"The toughest part of editing the journal is finding the time to do it," he reflects. "A lot of the time has to come from what might otherwise be saved for personal reading or as a hobby. But by now the Review has become sort of second nature to me; so I guess it really is one of my hobbies."

LINGUISTICS

"Linguistics is a highly specialized field with many sub-fields, and our chief function is really to cover as much as we can in all areas," says Dr. William R. Schmalstieg in describing the aim of "General Linguistics."

Dr. Schmalstieg, who is professor and chairman of Slavic languages at Penn State, became associated with "General Linguistics" soon after it was founded at the University of Kentucky, nearly 20 years ago.

In the 1960s, both Dr. Schmalstieg and the journal came to Penn State, and he has been its editor since 1971. Last September, Dr. Phillip H. Baldi, assistant professor of classics and linguistics, became co-editor of the journal; he was formerly book review editor.

The quarterly has a circulation of about 700. Many of these subscriptions come from abroad, and of all of Penn State's journals, "General Linguistics" relies most heavily on a truly worldwide circulation. "Without the international basis, I don't know if we could function," Dr. Schmalstieg admits.

The bulk of the journal is in English, but it also accepts pieces in German, French and Russian. "A few years ago, we published a major piece in Russian," Dr. Schmalstieg recalls, "and chances are that most of the linguists interested in this particular article could read the language."

He finds that this international aspect of the journal often stimulates lively exchanges. "For example, in a recent volume there was a discussion between a professor at SUNY-Binghamton and one at Freiburg, West Germany," he notes. "In an earlier issue the German had reviewed a book by the man from Binghamton. The latter was so upset by the review that he decided to reply, and we had a very exciting issue."

Dr. Schmalstieg credits book reviews for much of the success of his journal. "I think a lot of our reader interest lies in the reviews," he says. "Our articles are so specialized that they are usually only of real value to a small portion of our readership, whereas the reviews are written at a level that the average linguist can understand, so they generate considerably more interest."

The specialized nature of articles poses some unique problems. "When I send out an article for refereeing, I try to maintain the anonymity of the judge in so far as possible," Dr. Schmalstieg says. "But that's not always easy in a field so specialized. Recently, for example, I received an article on Proto-Miwok phonology and sent it to a qualified reader. The notes he sent back were in longhand, so I had them typed to protect the reader's identity. But when I sent them to the author, he instantly recognized the referee. There just aren't that many people in Miwok."



William Schmalstieg and Philip Baldi

PHILOSOPHY

Penn State's newest journal is the product of reel interdisciplinary thinking and action.

"Philosophy and Rhetoric" was founded in 1968 by a member of the Department of Speech, with philosophy professor Henry Johnstone as its first editor. Today the journal is still a cooperative effort of speech and philosophy. Dr. Johnstone continues as editor, assisted by an associate editor, Dr. Carroll Arnold, professor of speech.

"Man is a rhetorical animal. Rhetoric is built into the human condition. Therefore it's a concept that needs to be looked at philosophically," Dr. Johnstone says, "and I suppose that's the mission of our journal."

In the eight years of its publication "Philosophy and Rhetoric" has amassed a subscription list of about 850. According to its editor: "Most of them are in speech, probably no more than one quarter are in philosophy, and we have a lot of libraries."

But despite a modest circulation, the journal has attracted an impressive number of contributors.

"We very rarely solicit articles," Dr. Johnstone explains. "We don't need to. They come to us on an average of two to three a day.

"Many are totally unrelated to the field," he adds. "But about half are relevant and to these we give careful consideration."

Like all journal editors, Dr. Johnstone relies on colleagues to serve as readers, or referees, in evaluating proposed manuscripts. ("Philosophy and Rhetoric" is a "refereed journal" in the sense that it accepts no articles that have not been approved by independent readers.) But Dr. Johnstone does much of the first reading himself.

"I probably spend two hours a day doing this, and I do enjoy reading a good manuscript when I get one," he says, adding with a note of resignation, "the converse is also true."

Deciding what to publish isn't easy. "As a quarterly we are limited to a maximu

it's still an important function for a university press

nals are those associatad with e professional organization," Mr. Kentere explains.

Probably tha largest journal is that of the Modarn Languaga Association, with 29,000 subscribars. When you join the association, you are automatically a subscriber to its publication.

Viewed topically, science journals are surviving bast. "They sell better bacausa of the pragmatism of tha fialds they report," Mr. Kentera notes. "In a rapidly developing disciplina you hava to raly on journals to stay current."

Ha adds that science journals tend to be more international than those in the arts and humanities, drawing on the entire world for subscribers.

Science journals have another economic advantage. Traditionally authors pay the composition costs for having their works published in these periodicals. Composition costs represent a third of the total manufacturing costs in journal production.

Nona of the journals published by the Press has the advantage of guarenteed subscribers, which helps account for their losing money.

It is only ethical responsibility that keeps the University Press involved in journal publication?

"Not entirely," Mr. Kentera admits. "Publishing journals does sometimas have soma carry-over into the book business. Authors get to know the Press from its journals, so they send us othar manuscripts. We've gotten some interesting books this way."

Conversely, Mr. Kentera says, he sometimes gets book manuscripts that are weak in themselves but could be reduced to a good journal piece. Because he knows journals, he can make this recommendation to the author.

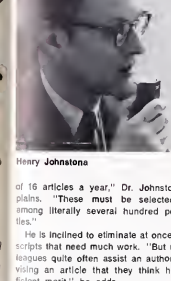
Being a journal publishar is not without its lighter moments. "Some of the proposals we get for new journals are kind of fun," Mr. Kentera reflects.

"We were once asked to do a scholarly quarterly on comic strips, and we regularly get requests for journals on pornography—most of them illustrated, of course. But I think my favorite proposal came from a New Englander who wanted to astoblish a journal devoted to literary criticism of science fiction, and he was certainly the man to do it. He claimed firsthand experience with extra-terrestrial material. Maybe someday someone will publish it — but it won't be The Pennsylvania State University Press."

Chris Kentera



RHETORIC



Henry Johnstone

of 16 articles a year," Dr. Johnstone explains. "These must be selected from among literally several hundred possibilities."

He is inclined to eliminate at once manuscripts that need much work. "But my colleagues quite often assist an author in revising an article that they think has sufficient merit," he adds.

"For example, I recently gave Carroll Arnold a manuscript with a note that said, 'Do not read this.' Ali I really wanted was help in writing the rejection letter. But he did read it and liked it, did the necessary work, and now we're going to publish it."

Dr. Johnstone shares with most editors the belief that good articles find publishers. "We think we've turned down very few manuscripts that should have been published," he says. "Because we are the only journal of its kind in the world, we like to feel that new ground has been broken in each of our articles.

"We have produced a genuinely interdisciplinary anterprise, and it's an important one. We think we are stimulating interest in a new field, and this interest has stimulated academic development."

JGE

"We like to think we publish for academics interested in things going on beyond thair own particular fields," says addtor Robert Eckhardt of "The Journal ot Genarel Education."

His wife, Caroline, who co-edits the publication, adds, "Contrary to what some people think, the true generalist isn't someone without a specialty — he's someone with a specialty and with a desire to know more about other fields. These are the people for whom we're publishing."

The Eckhardts fit this description. Both have interdisciplinary backgrounds. He is an assistant professor of anthropology; she holds a joint appointment as assistant professor of English and comparative literature.

Their journal is the only generalist periodical published by the University Press, and Caroline Eckhardt feels that the University needs such a journal: "It's a recognition that Penn State, as a state university, is more than a quality institution to train people in specific directions. It's a community of people who want to share ideas across disciplines as well."

JGE is also Penn State's longest running and largest subscribed journal. It began at the University of Chicago in 1946 and moved to Penn State in 1961 under the guidance of Howard A. Cutler, Ben Euwema, and Henry and Carol Sams. The quarterly now has about 1,500 subscribers.

In the past 18 months, "The Journal of General Education" has bean undergoing a change in emphasis. Its once eclatic table of contents has been giving way to issues focusing on a single topic or theme.

This special issue approach isn't unique to "The Journal of General Education." Generalist publications across the country have turned to it as a possibilty for attracting new readers.

"But ours was a positive decision made without primary regard to economic consequences," Robert Eckhardt notes. "Selfishly, when we handle a number of papers all on one subject, we gain a feeling for the subject."

"Having a single focus gives each issue an identifiable personality," Caroline Eckhardt adds. "We have a distinct feeling about each one. And we get a nice cross-fertilization once in a while. Sometimes authors with different viewpoints on a subject will correspond, and out of that will come some revisions of the ideas they're working on."

Unlike other Penn State journal editors who rely wholly on unsolicited manuscripts, the Eckhardts solicit some of the articles for their special issues.

"In the future, we plan to announce topics for upcoming issues in the journal in order to give more readers a chance to contribute," Robert Eckhardt adds.

However, increased contributions bring increased headaches. Rejections are particularly difficult. "In terms of fairness, people are entitled to be told what's wrong," says Caroline Eckhardt. "Yet you can't sit down and give a tutorial in writing to everyone who sends you a poorly written manuscript, and that's often what's wrong — not the substance, but how it's put together.

"That's where editing and teaching intersect," she continues. "Editors and referees try to figure out not only why an article is bad, but also what can be done to make it better. But we cannot serve as unpaid professors of writing and logic for contributors."

Robert Eckhardt mentions one of the possible solutions: "We have occasionally thought about asking non-subscribers, at least, to pay a fee to cover the expenses of evaluating their submissions. We so far haven't done this, but some other journals have, or have limited the right to submit to subscribers. Some such procedure may eventually prove necessary for all journals that are trying to build a broader economic base."

But the Eckhardts argue that the best plan is for more contributors and readers to become subscribers.

Says Caroline Eckhardt: "I think that the academic community ought to be prepared to support its journals. I know it seems preposterous in these times to ask anyone to spend more money, but we really believe that if people want to publish, that if they regard journal publication as an important form of professional activity, then they ought to subscribe or in some other way be prepared to support the journals that make publication possible."

Caroline and Robert Eckhardt



CHAUCER

"The Chaucer Review" is celebrating its tenth birthday this year, and founder-editor Robert Frank recalls well its beginnings:

"I was a little skeptical at first, but we sent out flyers announcing our intentions to about 1,000 people. We needad 400 subscriptions in order to begin publication, and we got them. One of the first subscriptions came from a professor at Columbia; it included a note saying he had spent the past year studying the feasibility of publishing a journal devoted to Cheucer. He even had settled on a name for it: 'The Chaucer Review.' So, you see, if we hadn't done it, someone else would have."

In its first decade, "The Chaucer Review" has built up a circulation of about 1,400. Baceuse it is the only journal anywhere devoted exclusively to Chaucer, the quarterly attracts subscribers and contributors from around the world.

"My guess is that most of our readers are people who teach Chaucer," says Dr. Frank. "These people find it convenient to have a substential portion of the work being done on Chaucer available in one place."

Dr. Frank is currently professor and head of the Department of English, and editing "The Chaucer Review" adds additional hours to an already busy schedule.

"I do it, however, because I think it's a very important job. It is a service to tha profession," he says. "And it's one way of bringing some slight added distinction to the department and the University."

He adds: "My guess is that people make the association 'Chaucer Review'-Penn State ten times more often than they do 'Chaucer Raview'-Robert Frank, editor."

But there were personal challenges as well that initially attracted Dr. Frank to "The Chaucer Review." "One of the things that interested me was the chance to break away occasionally from the orthodox scholarly article — which seems particularly appropriate with Chaucer, since he wasn't all that orthodox himself," Dr. Frank explains. "We do sometimes publish translations of works connected with Chaucer and once in a while a high-flying piece just for fun."

Not so much fun are the routine chores of editing a learned journal. "What we ought to do is check every quotation cited in an article," Editor Frank notes, "but unfortunately, we don't have that kind of time.

"But we do check every single Chaucer quotation," he continues, "and you discover that nobody can quote Chaucer throughout a whole article without making at least one mistake. Finding the errors becomes sort of a game. Otherwise, it's very dull."

"Editing a journal is not the most glorified academic, scholarly kind of job," Dr. Frank reflects as "The Chaucer Review" approaches the end of its first decade.

"But it's exciting when something really good comes along by a scholar you've never heard of before — exciting to know that someone extraordinarily intelligent and creative is entering the field and you're the one who's enabling him or her to break into print."

Robert Frank



University Park Calendar

February 5–15

Items to be included in this calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, Feb. 5
Commons Videotape, 12 noon, Kern lobby.

Friday, Feb. 6
Folk and Square Dance Roundup, 7:30 p.m., south gym, White.
GSA Commonspiace Coffeehouse, 8 p.m., Room 102 Kern.
"Be Glad Then America," 8:30 p.m., University Auditorium.

Saturday, Feb. 7
Sports: Men's fencing, vs. New Jersey Tech., 1 p.m., Rec Bldg. Men's swimming, vs. Bucknell, 2 p.m. Women's basketball, vs. Cortland, 2 p.m., White. Women's swimming, vs. West Chester, 7 p.m. Wrestling, vs. Navy, 8 p.m., Rec Bldg.
Children's Winter Kernivel, 1-4 p.m., HUB ballroom. Sponsored by Volunteer Service Center.
"Be Glad Then America," 8:30 p.m., University Auditorium.

Sunday, Feb. 8
Chapel Service, 11 a.m., Eisenhower Chapel. Andrew P. Lawson, assistant director, Native American Program, P.S.U.
Black Christian Fellowship worship service, 11 a.m., Cultural Center, Walnut Bldg.
"Be Glad Then America," 3 p.m., University Auditorium.
AWS play, "Ms. Prime Ribs," 7 p.m., HUB ballroom.
Ice hockey, vs. West Chester, 7:30 p.m.

Monday, Feb. 9
Heart Association Coronary Risk Screening, 9 a.m.-5 p.m., Ag. Administration. For appointment call 238-0053.
National Lampoon Show, 8 p.m., University Auditorium. Sponsored by ARHS.

Tuesday, Feb. 10
Heart Association Coronery Risk Screening, 9 a.m.-5 p.m., Ag. Administration.
Artists Series film, "Nights of Cabiria," 8:30 p.m., University Auditorium.
Sports: Women's basketball, vs. East Stroudsburg, 8 p.m., White. Women's swimming, vs. Shippensburg, 3 p.m.

Wednesday, Feb. 11
"Noondays" devotional period, 12 noon, large chapel, Eisenhower Chapel.
Sports. Men's swimming, vs. Temple, 2:30 p.m. Men's fencing, vs. Temple, 4 p.m. Women's fencing, vs. Temple, 4 p.m., White. Men's basketball, vs. Syracuse, 8 p.m., Rec Bldg.
Gregory Donovskky, oboe, 8:30 p.m., Music Bldg. recital hall.

Thursday, Feb. 12
Commons Videotape, 12 noon, Kern lobby.

Friday, Feb. 13
University Theatre, "Norton I, Emperor of the United States," 7:30 p.m., Pavilion Theatre.
GSA Commonspiace Coffeehouse, 8 p.m., Room 102 Kern.

Friday-Sunday, Feb. 13-15
1976 Dance Marathon, HUB ballroom. Muscular Dystrophy benefit, sponsored by interfraternity Council.

Saturday, Feb. 14
Sports: Women's fencing, vs. Madison, Caldwell, Trenton, 9 a.m., White. Women's basketball, vs. Shippensburg, 1:30 p.m., White. Men's and women's gymnastics, vs. Southern Connecticut, 8 p.m., Rec Bldg.
University Theatre, "Norton I, Emperor of the United States," 10:30 a.m. and 2:30 p.m., Pavilion Theatre.
Phi Delta Kappa Ladies Night Social, 8 p.m., Room 102 Kern.
Artists Series, Alvin Ailey City Center Dance Theatre, 8:30 p.m., University Auditorium.

Sunday, Feb. 15
Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Charles L. Coleman, program director, Religious Affairs.
Black Christian Fellowship worship service, 11 a.m., Cultural Center, Walnut Bldg.
University Theatre, "Norton I, Emperor of the United States," 2:30 p.m., Pavilion Theatre.

Seminars

Thursday, Feb. 5
Ceramic Science, 11 a.m., Room 301 Mineral Industries. Dr. Larry Anderson, Westinghouse R & D Laboratory, on "Analysis of the Time-Dependent Torsional Test and the Effect of Ellipsoidal Pores on the Elastic Modulus of Solids."
Chemistry, 12:45 p.m., Room 333 Whitmore. Samuel Danishefsky, University of Pittsburgh, on "Recent Progress in Total Synthesis."
Meteorology, 4 p.m., Room 26 Mineral Sciences. Daniel Keyser, graduate student, on "Sensitivity Tests with a Parameterized Mixed-Layer Model Suitable for Air-Quality Simulations."
Computation Center, 7:30 p.m., Room 105 Osmond. "Text Processing (2)."
Biochemistry, 12:30 p.m., Room 617 Life Science. Linde Stong on "Effects of Anesthesia on Cultured Beating Heart Cells."
Biology, 2:20 p.m., Room 101 Althouse. Dr. James B. Turpen, University of Rochester, on "Embryonic Origins of Skin Cells in the Amphibian Thymus."

Monday, Feb. 9
Computation Center, 7:30 p.m., Room 105 Osmond. "Text Processing (3)."
Genetics, 3:55 p.m., Room 106 Tyson. Toby Stout on "Regulation of Expression of Luxury Functions in Hybrid Cells."

Tuesday, Feb. 10
Plant Pathology, 9:30 a.m., Room 213 Buckhout. Vann Gregory on "Wheat + Rust = Less Wheat."
Biology/Gerontology Center, 9:30 a.m., Room 9 Althouse. Robert R. Kohn, School of Medicine, Case Western Reserve, on "Aging Mechanisms of Human Connective Tissues."
Analytical Chemistry, 12:45 p.m., Room 333 Whitmore. W. Smith on "Analysis of Silver Salts of Squeric Acid."
Water Pollution Control, 2:20 p.m., Room 101 Chambers. "Alternative Disposal Systems II."
Bioengineering, 3 p.m., Room 329 Electrical Engineering East. Dr. Greg Hleb, Emergency Care Research Institute, Philadelphia, on "The Purchase, Utilization and Maintenance of Instrumentation."
Biochemistry and Biophysics, 4 p.m., Room 101 Althouse. Anthony E. Pegg, physiology, Hershey Medical Center, on "Mammalian Polyamine Biosynthesis and Function."
Inorganic Chemistry, 4 p.m., Room 333 Whitmore. Mark Bradley on "Polymer Supported Transition-Metal Complexes."

Wednesday, Feb. 11
Biochemistry, 4 p.m., Room 101 Althouse. Patricia Weber on "Analysis of Serum Proteins: Biochemical Functions in Maintaining Homeostasis."

Thursday, Feb. 12
Chemistry, 12:45 p.m., Room 333 Whitmore. A Ian Scott, Yale University, on "Biosynthesis of Vitamin B-12."
Anthropology, 3:30 p.m., Room 112 Kern. Dr. Robin Fox, Rutgers University, on "The Search for Society: Darwin Legacy Durkeim."

Thursday, Feb. 12
Meteorology, 4 p.m., Room 26 Mineral Sciences. Dean Gulezian, graduate student, on "A.F.O.S. — Present and Future."
Mathematics, 4 p.m., Room 116 McAllister. Leo Harrington, University of California Berkeley, on "Another Generalization of Ramsey's Theorem, with an Application to the Model Theory of Peano Arithmetic."
Computation Center, 7:30 p.m., Room 105 Osmond. "Text Processing (4)."

Lectures

Monday, Feb. 9
Dr. Robert R. Kohn, Case Western Reserve Medical School, on "Biomedical Aspects of Aging," 7:30 p.m., Room 108 Forum.

Tuesday, Feb. 10
Centrel Pa. Archaeological Institute, Robert Bull, Drew University, on "Excavations at Caesarea Maritima," 8 p.m., Room 112 Kern.

Exhibits

Museum of Art: Recent Sculptures by John Cook. Hugo Weber. A Retrospective Exhibit.

Zoller Gallery: David Here Exhibition.
Chambers Gallery: Graduata Student Exhibition, ell media.
Kern Gallery: Nick Ruggieri Bicentennial Art Exhibit, sponsored by the Harrisburg Patriot News.
Pattee Library: Main lobby and Rare Books Room, Charles Blockson, "The Black Experience In America — from Colonial Times to the Present."
Cultural Center, Walnut: Charles L. Blockson, "Post Cards on Black Life," and "Books on Black Pennsylvanians."
HUB, Main Lounge. Charles Blockson, "Athletes," "Literature," "Music" and "Politics," opening Feb. 2. Lobby: Penn State Exhibit honoring the dedication of the Liberty Bell. First floor: "Jack Tar-American, Profiles of Merchant Seafarers, 1794-1803."

Films

Friday, Feb. 6 and Sunday, Feb. 7
GSA Commonspiace Theatre, "Sleeper," 7:30 and 9:30 p.m., Room 112 Kern.

Wednesday, Feb. 11
Free Shakespeare film, "Henry V" (Olivier), 6:30 p.m., Room 362 Willard.
GSA Commonspiace Theatre, "The Misfits," 7:30 and 9:30 p.m., Room 112 Kern.

Meetings

Thursday, Feb. 5
College of Business Administration faculty, 10 a.m., Room 201 Business Adm.
College of Liberal Arts faculty, 3:30 p.m., Room 121 Sparks.

University Schedule

Wednesday, Feb. 11
Last day for signing Winter Term NDSL, BEOG, and University Long Term Loans, Room 108 Shields.

Faculty notes

Alice M. Hoffman, assistant professor of labor studies, is the new president of the Oral History Association.

The association is an international organization of 1,500 members in North and South America with a goal of recovering and preserving significant events in the recent past through the collection of tape recorded interviews.

Mrs. Hoffman, who maintains an office at Penn State's King of Prussia Graduate Center, is the prime mover in the University's Labor Archives Project, the biggest component of which is the Steelworkers Archives.

William C. Cochrane, assistant Extension director and professor of agricultural extension retired last month with emeritus status after 30 years of service. He was supervisor of programs in the Southwest Extension Region, which includes Allegheny, Armstrong, Beaver, Butler, Fayette, Greene, Indiana, Washington and Westmoreland counties. A native of Clearfield County, he earned a B.S. from Penn State in 1933, majoring in agricultural education. In 1939 he received his M.Ed. from the University of Pittsburgh.

The retiring assistant director served as chairman of the Annual Extension Staff Conference for e number of years. He also helped to develop numerous multi-county educational programs in agriculture and family living in southwestern Pennsylvania and pioneered Extension television programming in western Pennsylvania. He worked closely with the Pennsylvania Farmer magazine in conducting the State Master Farmer Program and assisted in directing Extension programs at the Pennsylvania Farm Show.

Dr. Paul W. Welliver, professor of education, has been elected president of the Pennsylvania Learning Resources Association.

The organization, comprised of 600 members, brings together educators, media specialists, librarians, teachers and administrators who have professional interests in educational technology, instructional development, teacher education and individualized instruction at all educational levels.

Dr. Welliver joined the University faculty in 1969, after serving for two years as director of education for the Mississippi Authority for Educational Television.

Dr. Robert Lima, professor of Spanish and comparative literature, has received a Fulbright-Hays grant. He will serve as a visiting professor of comparative literature at the Universidad de San Marcos and at the Universidad Catolica in Lima, Peru. During his six-months stay, which will begin in July, he will be engaged in lecturing, translation projects and the production of a motion picture on literature and the creative arts. He will also present readings of his poetry. Dr. Lima is the author of numerous articles and four books of literary and dramatic criticism on Lorca, Valle-Inclan and Borges, and his poetry and translations of Hispanic poems have had wide international distribution.

Dr. Leon F. Lyday, associate professor of Spanish, has been awarded a Fulbright Fellowship for research in Brazil during the summer of 1976. The project for which Dr. Lyday received the grant is a critical study of the theatre of Brazil's foremost living playwright, Alfredo Dias Gomes. Under the terms of the grant, Dr. Lyday will spend most of the time in Rio de Janeiro interviewing the playwright and working with his manuscript materiels, but he will also travel to Sao Paulo, the theatre capital of Brazil, and to Bahia, the region in which many of the dramatist's plays are set.

News in brief

(Continued from page one)

pervised numerous field excavations dealing with the prehistoric, Hellenistic and Roman periods in both Jordan and Israel and is a former director of the American School of Oriental Research in Jerusalem. His long list of publications includes specialized studies and the excavation reports from the sites of Shechem, Tell er Ras (Mt. Gerizim) and Caesarea Maritima.

In his illustrated lecture, Dr. Bull will discuss the results of the American expedition to Caesarea Maritima on the Mediterranean coast of Israel. Caesarea was built on a grandiose scale by Herod the Great in 12 B.C. and thereafter, for over 600 years, was the Roman and Byzantine capital of Palestine until its destruction by the Arabs in A.D. 639. Refreshments will be served following the lecture.

Children's Karnival Feb. 7

All Centre County area children between the ages of 4 and 12 are invited to attend the second annual Children's Winter Karnival sponsored by the University's Volunteer Service Center. Between 1 and 4 p.m. on Saturday, Feb. 7, there will be carnival games, prizes, clowns, candy and balloons in the HUB ballroom. Cartoons will be shown, and the Nittany Lion will greet the children. Parents are welcome, too.

Conserve energy

(Continued from page one)

crisis, there is and will continue to be a financial crunch at Penn State. Your cooperation is needed."

Staff vacancies

Staff vacancies in this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in the INTERCOM may be found in the Penn State REPORTER. All University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network Line 475-1387). Applications for these staff vacancies will be received until 5 p.m., Feb. 12, 1976. Do not contact the area that has the vacancy.

ASSISTANT AUDITOR, CONTROLLER'S OFFICE — University Park

Verifies and analyzes transactions while conducting reviews of assigned organizational and functional activities. Evaluates the adequacy and effectiveness of the management controls over those activities. Assists in determining whether organizational units in the University are performing their planning, accounting, custodial or control activities in compliance with management instructions and applicable statements of policy and procedures. Reports audit findings on the results of the review of assigned segments of the audit and makes recommendations for improvements in operations and reduction in costs. Bachelor's degree in accounting or related field with one year of directly related experience in accounting areas.

Hearings continuing before PLRB examiner in Keller Bldg.

Hearings to determine the scope of the unit of individuals eligible to vote in a bargaining representation election resumed yesterday (Feb. 11) in Keller Building. News reports of previous hearings have raised many questions within the University community about the intent of the hearings. The following question and answer report, issued from the Office of the Provost of the University, is provided to help clarify the issues and objectives of the hearings.

Q. President Oswald, Provost Larson, and other members of the University administration have noted that faculty unionization, in their view, is not desirable at a university of the size, scope and academic quality of Penn State. Why, then, is the administration participating in hearings to determine e faculty bargaining unit?

A. In October, 1975, The Pennsylvania State University Professional Association (PSUPA) filed a petition with the Pennsylvania Labor Relations Board (PLRB) seeking an election to determine whether it would represent the faculty and non-teaching professional staff of the University in collective bargaining. Procedures require that PSUPA, as the petitioner, specify the composition of the bargaining unit it seeks to represent. The employer, in this instance Penn State, must respond to the petition through the PLRB. If the employer, and any intervening organizations seeking representation, mutually agree to the description of the bargaining unit as proposed by the petitioner, the PLRB will issue an order for an election.

Q. Is this the situation at Penn State?

A. In the case at hand, there is disagreement. The University, as well as the intervenor, the American Association of University Professors (AAUP), disagreed with the bargaining unit proposed by PSUPA. Therefore, the hearings that resumed Feb. 11 are being conducted so that the PLRB will be able to decide which employees will be eligible to vote in a representation election.

Q. Why is it important for Penn State faculty members to understand the procedures utilized by the Pennsylvania Labor Relations Board?

A. An informed faculty is more likely to understand what is at stake in an election and also more likely to vote. Several studies of faculty voting behavior in representation elections have shown that faculty members do not always have enough information on which to base their votes. For example, at some schools faculty members admittedly did not fully understand the procedures and issues involved when voting for or against collective bargaining. Consequently, they voted for what they later acknowledged, in their words, to be the "lesser of the evils" among the contending unions when indeed they were not in favor of collective bargaining.

Q. What is the role of the Pennsylvania Labor Relations Board (PLRB) in these hearings?

A. The PLRB is the state agency established by the Pennsylvania Employe Relations Act (Act 195) to guarantee that the provisions of the Act are applied. The Board, among other things, resolves differences between employer and employee groups over what employees should appropriately be included in a collective bargaining unit.

Q. What is the role of the hearing examiner in determining a bargaining unit?

A. The Board consists of three gubernatorial appointees, who are unable to handle the required case load. Therefore, the Board assigns hearing examiners to assist them. The hearing examiner serves much as a judge in a trial, except that, because hearings are an administrative procedure, strict rules of evidence do not apply. The hearing examiner is responsible for such things as ruling on the introduction of particular witnesses and/or testimony, controlling the introduction of relevant exhibits, determining the general conduct of the hearings and scheduling future hearings. At the conclusion of the hearings, the hearing examiner considers the facts presented and then makes his recommendations to the Board. The hearing examiner's recommendations to the Board are advisory.

Q. Can the PLRB rule, without an election, that there will be faculty unionization and collective bargaining at Penn State?

A. No. The PLRB simply decides who is eligible to vote in an election and the procedures governing the election. The faculty voting in an election decide either for or against collective bargaining.

Q. Who is entitled to participate in the hearings and to present testimony?

A. Generally, the active participants in the hearings are limited to the initial petitioner, intervening organizations and the employer. The petitioner must be able to demonstrate, through authorization cards, a 30 percent showing of interest on behalf of employees in the proposed unit. Intervenors wishing to participate in the unit determination process, such as AAUP, must be able to demonstrate a 10 percent showing of interest. Because the hearings are not formally a legal proceeding, it is the hearing examiner's prerogative to determine whether any other individuals or groups should participate and introduce testimony.

Q. Do the participating parties in Penn State's hearings agree on any unit issues?

A. The administration, of course, believes that unionization is not desirable at Penn State. But, following the first days of hearings in January, the parties involved have reached agreement on several points regarding the unit questions.

- First, the parties have agreed and stipulated on the record that a) The Pennsylvania State University is a public employer according to the provisions of Act 195, and (b) The Pennsylvania State University Professional Association and the Penn State Council of the American Association of University Professors Chapters exist, at least in part, to represent employees of the University in negotiations and are employee organizations under the provisions of Act 195.
- Second, it was agreed that all regular members in the professional research and librarian ranks at the University Park Campus, the 17 Commonwealth Campuses, the Capitol Campus and the Behrend College should be included in any unit to vote in an election.
- Third, all parties agreed in January to accept the definition of "regular" as prescribed in Penn State policy RS-5; only "regular" employees will be included in the voting unit. (A regular employee is a person who is appointed to a full-time position that will exist for six months or longer and who is eligible to participate in the University's fringe benefit program.)
- Finally, excluded by agreement in January from the voting unit would be all University executives and administrators, academic administrators at the college level, staff nonexempt employees, clerical and technical service personnel.

Q. What are the primary issues over which there is disagreement?

A. There are three primary areas of disagreement:

- The first is over the appropriate status of the College of Medicine at Hershey. Both PSUPA and AAUP are seeking to exclude the medical faculty from the proposed bargaining unit and participation in the election. Consistent with its argument during the PSUBRANCH hearings, the administration contends that any appropriate unit for the faculty of The Pennsylvania State University would include faculty at all locations, including those at the 22 campuses and any other off-campus research labs and Continuing Education centers;
- Second, PSUPA argues that the unit should include non-teaching professionals (i.e., Staff Exempt personnel) whose functions and responsibilities "relate to the teaching-research mission of the University." Both the AAUP and the University contend that an appropriate faculty unit for conducting an election should be comprised only of academic personnel — professional, research and librarian faculty;
- Third, AAUP and PSUPA want ec-

(Continued on page five)

PENN STATE intercom

Volume 5, Number 20 February 12, 1976

Top highschoolers to visit

Pennsylvania's best academic high school juniors will visit the University this spring as part of the second annual Penn State Scholars Program.

The program was initiated last year to recognize and encourage excellent academic scholarship records and achievements and provide an opportunity for the top students in the State to meet with Penn State faculty members and students.

The principal of each of the approximately 950 public and private schools in the State has been asked to nominate the top academic junior student to participate in the 1976 Penn State Scholars Program. The nominated students and their parents will visit the campus during two weekends. Students from the western half of the State have been invited on the weekend of April 9 and 10, while students from the eastern half will visit on the weekend of April 23 and 24.

During the Recognition Weekend, they will have the opportunity to experience college life through participation in social activities and as an overnight guest in a residence hall.

The high school students also will be introduced to two academic colleges of their choice, will attend seminars on college attendance, adjustment and financial aid, and will compete in a two-hour examination for one of 30 Penn State full-tuition, four-year scholarships.

The 30 scholarships offered to the highest achieving scholars will be drawn from several sources within the University. These include the Alumni Memorial Scholarships, College controlled scholarships, and general and specially endowed scholarships managed by the Senate Committee on Students Affairs, Awards and Scholarships.

At the same time, all of the participants in the program will receive special recognition, including an assurance of admission to Penn State.

A total of 657 students were nominated for the first Penn State Scholars Program held last April 18 and 19. A total of 575 students and approximately 700 parents took part in the event.

According to Dr. Glenn C. Carter, director of secondary school relations, the program has received positive responses from high school staffs and more than 330 of last year's Penn State Scholars have filed applications for admission to the University.

News in brief

Dr. Gervers to speak

Dr. Michael Gervers, professor of art history at the University of Toronto and research associate at the Pontifical Insiiiute of Medieval Studies, will address the Central Pennsylvania Chapter of the Archaeological Institute of America at 8 p.m. Thursday, Feb. 19, in Room 101 Kern Bldg.

The subject of his public lecture is "The Early Medieval Cave Church at Gurat (Cherente, southwestern France)."



Rock-cut church at Gurat

Prof. Gervers is a medieval scholar with specialized interests in archeeology and historicel ethnography, and he has published extensively. He is the beld director for the continuing excavations at Gurat in southern France.

The focal point of the excavations is the early medieval rock-cut church of St. George and its associeied hermitage end cemeteries. The site, which has also been the subject of a CBC television program, has much to tell about the early beginnings of monesticism in the West.

Libraries' nominations asked

March 1 is the deadline for nominations for the Award for Outstanding Contribution to the University Libraries. The award, consisting of a cash stipend end a Nittany Lion statue, is presented annually to e University Libraries staff member, a benefactor of the Libraries, a member of the teaching faculty or someone from the administrative or research staff. Nomination forms may be obtained from the Personnel Librarian, Room E505 Pattee, telephone 865-0401.

To be considered, an individual should have: 1) made a professional contribution which has a significant intluence on the operations of the University Libraries; 2) made a significant professional contribution which earns the recognition of the University community for the Libraries; 3) made a significant contribution to the profession which reflects achievement in librarianship at Penn State; or 4) shown excellence of service to the Libraries as evidenced by continuous leadership and innovation.

Spring calendar dete due

Information is being collected now for the spring term calendar which will appear in INTERCOM early in March. The deadline for receipt of such information is Feb. 20, and it should be sent to the Calender Editor, 312 Old Main. The calendar is prepared for University Park but e very limited number of events of unusual interest at other Campuses may be included.

Palestinian talk Feb. 18

"The Palestinians: Their Role in the Middle East Conflict" will be the subject of a public lecture by Fawaz Turki, a Palestinian writer, at 7:30 p.m. Wednesday, Feb. 18, in the HUB assembly room.

Born in Haifa in 1940, Mr. Turki left in the Arab refugee exodus of 1948 when the state of Israel came into being and grew up in e refugee camp in Lebanon. He studied at universities in England and Australia.

He is the author of "The Disinherited: Journal of e Palestinian Exile" and "Poems from Exile" and has contributed articles to major magazines in Europe and the United States. Last year he was director

(Continued on page six)

PENN STATE COLLECTION

Faculty notes

Seven faculty members from the Department of Chemistry will present research papers at the 10th American Chemical Society Middle Atlantic Regional Meeting in Philadelphia Feb. 23-26. They include three professors — **Dr. Harry Allcock, Dr. Maurice Shamma** and **Dr. William A. Steele;** associate professor **Dr. Peter C. Jurs;** and three assistant professors — **Dr. Gregory L. Geoffroy, Dr. Lawrance B. Hendry** and **Dr. Terence H. Risby.**

Nine faculty members and students from the Department of Biochemistry and Biophysics are the authors of research papers to be presented at a meeting of the Biophysical Society in Seattle, Wash., Feb. 24-27. The faculty participants include: **Dr. Reginald A. Dazring,** professor of biophysics; **Dr. Thomas Smyth,** professor of entomology; **Dr. Alec D. Keith, Dr. Paul W. Todd** and **Dr. Richard S. Morgen,** associate professors of biophysics; and **Ronald P. Millito,** instructor in health education.

Dr. Herschel W. Leibowitz, professor of psychology, has been selected to receive the Senior U.S. Scientist Award from the Federal Republic of Germany. The award is given by the German Federal Ministry for Research and Technology through the Alexander von Humboldt Foundation to "outstanding U.S. scientists in recognition of past accomplishments in research and teaching, and thereby promoting scientific cooperation between institutions in the Federal Republic of Germany and in the United States of America." The award entitles Dr. Leibowitz, a renowned authority on visual perception, to conduct research of his choice for one year at a German research institute. Commencing in 1972 on the anniversary of the Inauguration of the Marshall Plan, the award was established to express appreciation for post-war American aid.

Dr. Leibowitz, a native of York, joined the University faculty in 1962. He had served on the faculties at the Universities of Maryland and Michigan and was manager of behavioral sciences for International Business Machines in Bethesda, Md. He visited Germany previously as a Guggenheim Fellow in 1957, conducting research at the University of Munich and at the Max Planck Institut fur Verhaltens Psychologie.

Dr. Charles L. Hosler, dean of the College of Earth and Mineral Sciences, has assumed his position as president of the American Meteorological Society for 1976, after having served as president-elect for 1975.

Dr. Hosler, who was elected a Fellow of the Society in 1969, has served the Society as Councilor and Secretary of the Council. He has been active on many AMS committees and has served as chairman of the Board of Radio and Television Weathercasting, chairman of the Education and Manpower Commission, and chairman of the Board of Professional Ethics. He received the AMS Seal of Approval for Television in 1960.

Dr. Hans A. Panofsky, Even Pugh Professor of Atmospheric Sciences, received the highest honor conferred by the American Meteorological Society, the Carl-Gustaf Rossby Research Medal, at the group's annual awards luncheon in Philadelphia last month. The medal is presented on the basis of outstanding contributions to man's understanding of the structure or behavior of the atmosphere. The 1976 medal was awarded to Dr. Panofsky "for his many fundamental contributions to knowledge of the statistical properties of turbulence throughout the atmosphere."

Dr. Panofsky joined the Penn State faculty in 1951 after teaching at Wilson College and New York University and was named Even Pugh Professor in 1966. He is noted for his research and publications on a wide range of topics, including air pollution, planetary atmospheres and atmospheric turbulence, especially in the planetary boundary layer. A Fellow of the AMS, he received the Society's Meisinger Award in 1965 for his achievements in aerology and meteorology.

Dr. Fred H. Lawia, professor of plant pathology and scientist in charge of the University's Fruit Research Laboratory at Biglerville, retired Feb. 5. He had been a member of the faculty since 1943. Born in Galivants Ferry, S.C., Dr. Lewis graduated from Clemson University with a B.S. in horticulture. His Ph.D. was conferred by Cornell. At the Fruit Research Laboratory, he has been heavily involved in the development of laboratory facilities and helped reorient the research program toward the detailed studies needed to permit minimum use of pesticides on fruit.

Dr. Lewis is the author of 159 publications on fruit diseases and their control. He was co-chairman of the Research Program Steering Committee for Fruit Research in the northeastern states and chairman of the American Society for Testing and Materials' subcommittee on fungicides.

Three faculty and staff members from the University will offer papers at the 142nd annual meeting of the American Association for the Advancement of Science in Boston, Feb. 18-24. **Dr. Allstair B. Fraser,** associate professor of meteorology, will present a paper on mirages during a session titled "Science for the Naked Eye: Dr the Physics of Everyday Experience." Dr. **George C. Shoffstall,** assistant director of continuing education, College of Science, will present a paper titled, "The Pennsylvania Academy of Science — 52 Years in Retrospect." Dr. Shoffstall is president-elect of the Academy. **Dr. Michael Szabo,** associate professor of education, will participate in the session titled, "Innovative Approaches Currently in Use in Undergraduate Science Education."

Nannette Veil Jewell, formerly assistant librarian with the American Philatelic Research Library, State College, has been appointed research assistant in the College of Business Administration. She is a 1976 graduate of Wells College, receiving the bachelor of arts degree in economics. She received the master of library science degree from SUNY-Albany.

Dr. Joseph M. Dulch, professor of turfgrass science, has been chosen to receive the 1976 Distinguished Service Award of the Golf Course Superintendents Association of America. He was recognized for his development of many of the specialized grasses used on golf courses today, his valuable research in soil modification and his supervision of the annual Penn State Turf Conference and Field Days.

Dr. Samuel S. Dubin, professor of psychology, has been appointed to the Task Force on Continuing Education of the American Psychological Association. The Task Force will look at Continuing Education in terms of: a) developing standards and guidelines for accrediting Continuing Education programs, b) a national system for record keeping of Continuing Education units, c) proposing model legislation for states, d) formulating a statement of philosophy regarding the maintenance of professional competence, and e) encouraging research on improved methods for evaluating Continuing Education.

Dr. Jean W. MacCluer, associate professor of biology, is one of ten biologists and behavioral scientists invited to participate in an interdisciplinary seminar on "Inbreeding, Outbreeding, and the Incest Taboo" at the Center for Advanced Study in the Behavioral Sciences, Stanford, Calif., March 15-17. Participants will examine and discuss the biological, psychological and cultural factors which promote and inhibit inbreeding. Dr. MacCluer will also present a talk titled, "Genetic and Demographic Determinants of Outbreeding." The seminar is sponsored by the Social Science Research Council's Committee on Biological Bases of Social Behavior.

Dr. Paul B. Baltes, director of the Division of Individual and Family Studies in the College of Human Development, has been invited to join one of the study sections of the National Institutes of Health. Study section members review applications for research and training grants, and survey, as scientific leaders, the status of research in their fields. Dr. Baltes will serve a four-year term, beginning in July, on the Developmental Behavioral Sciences Study Section.

Kenneth P. Wilkinson, associate professor of rural sociology, is co-recipient of the 1975 "best paper" award for an article published in the "Water Resources Bulletin," journal of the American Water Resources Association. The paper by Dr. Wilkinson and Dr. Raghu N. Singh, of East Texas State University, was entitled, "On the Measurement of Environmental Impacts of Public Projects from a Sociological Perspective."

Dr. Luis F. Gonzelez-Cruz, associate professor of Spanish at New Kensington, is the author of a new book, "Tirando a blanco / Shooting Gallery. Poemas / Poems," which has been published in a bilingual edition by Ediciones Universal. Dr. Gonzalez-Cruz is the author of two earlier books on literary criticism as well as of scholarly articles, reviews, short stories and poems. His current book contains 98 poems, 49 in Spanish and 49 English translations, and it is divided into four parts: "Places," "Corporal Poems," "Horses" and Mineral Poems." The author has been a member of the faculty since 1969, a year before he received his Ph.D. from the University of Pittsburgh.

Dr. Daniel Y. C. Fung, assistant professor of microbiology, has been appointed to a three-year term on the editorial board of the "Journal of Milk and Food Technology." The journal is the official publication of the International Association of Milk, Food and Environmental Sanitarians. Dr. Fung will review papers dealing with food microbiology, microbial toxins and diagnostic microbiology and techniques.

Dr. Peter B. Meyer, assistant professor of economic planning, Division of Community Development, is on leave winter term to serve as a Senior Research Associate with the Correctional Economics Center of the American Bar Association, Washington, D.C. He is conducting a study of the relative cost-effectiveness of different public and private criminal corrections services.



Dr. G. P. Patil, professor of mathematical statistics, receives the first Doctor of Science degree ever awarded by the Indian Statistical Institute. On leave from the University, Dr. Patil recently returned from his trip to India.

New book explores political terrain of higher ed

A new book to alert the community in higher education to the necessity of political involvement has been co-authored by **S. V. Martorana,** professor of higher education and research associate in the Center for the Study of Higher Education.

"The Political Terroin of American Postsecondary Education" does not deal with politics in the partisan sense. Rather, the authors have defined its purpose thus:

"If American postsecondary education is to remain viable, its practitioners must first understand the implications of the political terrain and the impact of political systems upon the educational enterprise and upon individual institutions and organizations. In order to develop this understanding, a body of research and knowledge must be developed. Without it the levers of power will consistently move away from professionals and into the hands of decision-makers who may well be both psychologically and physically remote from the campus scene."

The book, which was published by Nova University Press, traces the increasing involvement of outside political forces in the destinies of colleges and universities and considers political structures at the institutional, community, state and federal levels, as well as the roles of various educational groups.

Several major, current issues which may be expected to cause continued dissension among the various special interest groups operating in higher education are outlined by the authors, who include Clyde E. Blocker, founding president of the Harrisburg Area Community College, and Louie W. Bender, professor of higher education at Florida State University.

In discussing the first of these issues — educational missions — the authors question "whether the decision makers will accept distinct educational roles for different institutions and different segments of postsecondary education and will demonstrate their acceptance of this principle through the allocation of resources to sustain distinctively different types of institutions and educational programs."

Analyzing the problem of who will pay for postsecondary education, the authors predict that higher education, along with most other social services, will increasingly be financed by the federal government, which has far greater resources than those available to state or local governments.

The book foresees no decrease in the often bitter struggle for available resources between independent colleges and universities and proprietary schools, and it notes: "The most visible as well as the most far-reaching political debate will center around the distribution of costs between tax funds and student tuition."

Intersecting power struggles have paved the way for state intervention in the form of education boards with varying degrees of legal powers.

"The issue at the state level," the authors point out, "is no longer whether postsecondary education will be coordinated but how institutions can gain influence with government agencies in such a way that some power will remain on the campus level. Power struggles and relationships will continue with the legislature and the executive, but the state boards will gradually move to the center of the stage. That is the problems have not changed, but the arenas have."

To prevent further erosion of the status quo, professionals, in the authors' view, will move to strengthen faculty senates and unions. They odd: "Essentially, it is our belief that institutions of postsecondary education will move rather rapidly toward an industrial model as opposed to the collegial model of the past."

While Dr. Martorana and his colleagues believe that educators need to become more aware of the forces in the political process so they can better control them, they also feel strongly that, "A higher order of purpose needs to be attached to the activity than the simple outmaneuvering or overpowering of persons and organizations who take opposing points of view or contrary stands.

". . . political action needs to be marshalled and managed so that the larger social purposes of the enterprise are better achieved and not merely so that the narrower goals of particular postsecondary educational leaders or even the institutions that they lead are successfully promoted."

Dr. Martorana joined Penn State's faculty in 1972. He previously was Vice Chancellor for Community Colleges and Provost for Technical-Vocational Education with SUNY. Prior to that he was Assistant Commissioner for Planning, New York Board of Regents. He is the author of five previous books and also served on the faculty at Washington State University.

University Park Calendar

February 12—22

Items to be included in this calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, Feb. 12

Commons Videotape, "The Animals Nobody Loved," National Geographic special, 12 noon, Kern lobby.

Charles Blockson, author, on "Black Pennsylvanians," 7 p.m., Cultural Center, Walnut.

Friday, Feb. 13

1976 Dance Marathon, 7 p.m., HUB ballroom. Muscular Dystrophy benefit, sponsored by Interfraternity Council. Through Sunday.

Black Historical Films, 2-6 p.m., Cultural Center, Walnut.

Black Caucus, Joseph Rhodes, member Board of Trustees and State Representative; James Garner, Darrell Trent and Barry Reddish, former Penn State student leaders, on "Black Student History and Involvement at Penn State during the Black Power Movement," 7 p.m., HUB assembly room.

University Theatre, "Norton I, Emperor of the United States," 7:30 p.m., Pavilion Theatre.

GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Artists Series, Alvin Ailey City Center Dance Theatre, 8:30 p.m., University Auditorium.

Saturday, Feb. 14

Sports: Women's fencing, vs. Madison, Caldwell, Trenton, 9 a.m., White. Women's basketball, vs. Shippensburg, 1:30 p.m., White. Men's and women's gymnastics, vs. Southern Connecticut, 8 p.m., Rec Bldg.

University Theatre, "Norton I, Emperor of the United States," 10:30 a.m. and 2:30 p.m., Pavilion Theatre.

"The Myth of Andro and Elnoria," play, 7:30 p.m., Cultural Center, Walnut.

Phi Delta Kappa Ladies Night social, 8 p.m., Room 102 Kern.

Artists Series, Alvin Ailey City Center Dance Theatre, 8:30 p.m., University Auditorium.

Cabaret, 10 p.m., Room 301 HUB.

Sunday, Feb. 15

Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Charles L. Coleman, program director, Religious Affairs.

Black Christian Fellowship worship service, 11 a.m., Cultural Center, Walnut.

University Theatre, "Norton I, Emperor of the United States," 2:30 p.m., Pavilion Theatre.

Mortar Board alumnae and Penn State chapter brunch, 12:30 p.m., 534 Glenn Dance, 10:30 p.m., Cultural Center, Walnut.

Road For information call Nancy Miller, 355-3288.

Sports: Ice Hockey, vs. University of Pittsburgh, 7:30 p.m.

"The Myth of Andro and Elnorie," 7:30 p.m., Cultural Center, Walnut.

Monday, Feb. 16

Composers' Concert, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Feb. 17

Gallery talk, Hedy B. Landman, director of the Danforth Museum, on "The Paper on the Wall," 10:30 e.m., Museum of Art.

Sports. Men's swimming, vs. West Virginia, 2:30 p.m.

Wednesday, Feb. 18

"Noondays," devotional period, 12 noon, large chapel, Eisenhower Chapel.

Artists Series film festival, "Gone with the Wind," 8:30 p.m., University Auditorium.

Penn State Brass Chorale, 8:30 p.m., Music Bldg. recital hall.

Thursday, Feb. 19

Commons Videotape, "The Antarctic," 12 noon, Kern lobby.

Friday, Feb. 20

Sports: Women's basketball, vs. Pittsburgh, 7:30 p.m., White.

Folk and Square Dance Roundup, 7:30 p.m., south gym, White.

University Theatre, "Norton I, Emperor of the United States, 7:30 p.m., Pavilion Theatre.

GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, Feb. 21

University Theatre, "Norton I, Emperor of the United States," 10:30 a.m. and 2:30 p.m., Pavilion Theatre.

Sports: Women's and men's bowling, PSU Invitational, 1 p.m., Rec Bldg. Coed rifle, vs. West Virginia, 2 p.m. Women's swimming, vs. East Stroudsburg, Clarion, Slippery Rock, 7 p.m. Men's basketball, vs. Pittsburgh, 8 p.m., Rec Bldg. Wrestling, vs. Pittsburgh, 2 p.m., Rec Bldg.

PSU Symphony Orchestra, 8:30 p.m., University Auditorium.

The Contemporary Dance Company in Concert, 8:30 p.m., Schweb.

Sunday, Feb. 22

Chapel Service, 11 e.m., Eisenhower Chapel. Dr. Eloise C. Snyder, sociology.

Black Christian Fellowship worship service, 11 a.m., Cultural Center, Walnut.

University Theatre, "Norton I, Emperor of the United States," 2:30 p.m., Pavilion Theatre.

The Contemporary Dance Company in Concert, 2:30 and 8:30 p.m., Schweb.

Artists Series, "The Marriage of Figaro," 8:30 p.m., University Auditorium.

Seminars

Thursday, Feb. 12

Population Issues Research, 1:30 p.m., Room 108 Deike. Dr. James Brackett, Office of Population, A.I.D., on "Recent Fertility Changes in Less Developed Countries."

Materiology, 4 p.m., Room 26 Mineral Sciences. Deen Gulezien, graduate student, on "A.F.O.S. — Present and Future."

Mathematics, 4 p.m., Room 116 McAllister. Leo Harrington, University of California, Berkeley, on "Another Generalization of Remsey's Theorem, with an Application to the Model Theory of Peano Arithmetic."

Computation Center, 7:30 p.m., Room 105 Osmond. "Text Processing (4)."

Monday, Feb. 16

Genetics, 3:55 p.m., Room 108 Tyson. Dr. Leslie Lieberman, Human Performance Research Lab., on "Diet, Selection and Digestive Enzymes in Human Evolution."

Biochemistry and Biophysics, 4 p.m., Room 101 Althouse. Earl R. Stadtman, National Heart and Lung Institute, NIH, on "The Significance of Covalent Modification Cascade Systems in the Regulation of Key Enzymes."

Entomology, 4 p.m., Room 204 Patterson. Dr. Wayne M. Bode, Fruit Research Lab., Biglerville, on "Bionomics of the Tutted Apple Bud Moth and a Study of Its Nuclear Polyhadrosis Virus."

Tuesday, Feb. 17

Plant Pathology, 9.45 a.m., Room 213 Buckhout. Richard Latin on "The Chondrilla Plant and the Rust Thereof."

Biochemistry and Biophysics, 11 a.m., Room 101 Althouse. Earl R. Stadtman, National Heart and Lung Institute, NIH, on "Cumulative Feedback Control of Glutamine Synthetase in E-coli."

Water Pollution Control, 2:20 p.m., Room 101 Chambers. "Systems Malfunctions and Repairs."

Nuclear Engineering, 4 p.m., Room 228 Sackett. Dr. Harvey Brish, Bechtel Corp., San Francisco, on "Nuclear Power Economics."

Inorganic Chemistry, 8 p.m., Room 333 Whitmore. Dr. Howard Tennett, Hercules, on "Chamistry of Transition Metal Alkyls."

Thursday, Feb. 19

Chemistry, 12:45 p.m., Room 333 Whitmore. Daniel V. Santi, UCLA, San Francisco, on "Mechanism of Thymidylate Synthetase Reaction."

Meteorology, 4 p.m., Room 26 Mineral Sciences. Simon Cheng, graduate student, on "Some Experiments with an Axi-Symmetrical Hurricane Model."

Physics, Biochemistry and Biophysics joint colloquium, 3:50 p.m., Room 117 Osmond. Dr. Stuart Kauffman, Biophysics and biochemistry, on "Are Biological Clocks Nonlinear Oscillators?"

Biochemistry, 12:30 p.m., Room 617 Life Science. Richard Hippikka on "Suger Transport in Meture Bovine Spermetozoe."

Philosophy, 4 p.m., Room 167 Willard. Professors John Anderson, Carl Hausman and Carl Vaught will discuss Dr. Anderson's book, "The Realm of Art."

Exhibits

Museum of Art: Recent Sculptures by John Cook, Hugo Weber: A Retrospective Exhibit.

Zoller Gallery: David Hare Exhibition, through Feb. 20.

Chambers Gallery: Graduate Student Exhibition, all media.

Kern Gallery: Nick Ruggieri Bicentennial Art Exhibit, sponsored by the Harrisburg Patriot News.

Pattee Library: Main lobby and Rare Books Room, Charles Blockson, "The Black Experience in America — from Colonial Times to the Present."

Cultural Center, Walnut Bldg.: Charles Blockson, "Post Cards on Black Life" and "Books on Black Pennsylvanians."

HUB, Main Lounge: Charles Blockson, "Athletes," "Literature," "Music" and "Politics." Penn State Room Exhibit honoring the dedication of the HUB addition, HUB lobby. Jack Tar, American Profiles of Merchant Seafarers, 1794-1803 (Smithsonian Institution), through Feb. 15 Gallery: 26 paintings by M. Nabii El-Husseine.

Hammond Gallery: Drewings, paintings and prints by Kevin Fox, Joe Chapline and Manuel Schmettau, through Feb. 16.

Meetings

Monday, Feb. 16

Color Slide Club, 7:30 p.m., Room 112 Kern. David Palermo on "Australie."

Tuesday, Feb. 17

GSA Council, 7:30 p.m., Room 101 Kern.

Films

Wednesday, Feb. 18

GSA Commonspace Theatre, "The African Queen," 7:30 and 9:30 p.m., Room 112 Kern.

Friday, Feb. 20, and Sunday, Feb. 22

Free Shakespeare film, "King Lear" (Brook/Scofield), 6:30 p.m., Room 162 Willard.

Lectures

Tuesday, Feb. 17

Dr. Patricia Cross, visiting professor, University of Nebreska, on "New Ways to Work with Students," 8 p.m., Room 112 Kern. Sponsored by the Office of Student Affairs.

Wednesday, Feb. 18

Fawaz Turki, Palestinian writer, on "The Palestinians: Their Role in the Middle East Conflict," 7:30 p.m., HUB assembly room. Sponsored by the Middle East Studies Committee.

Thursday, Feb. 19

Central Pa. Chapter Archeeological Institute of America, 8 p.m., Room 101 Kern. Dr. Michael Gervers, University of Toronto, on "The Medieval Cave Church at Gurat (Cherente, Southwestern France)."

Arts roundup

Artists Series tickets

Tickets for the Alvin Ailey City Center Dance Company and the Curtis Opera Company performence of Mozart's "The Marriage of Figaro" are currently on sale under the auspices of the Artists Series.

The Alvin Ailey troupe will appear Friday and Saturday, Feb. 13 and 14, at 8:30 p.m. in University auditorium. The Friday night performance is sold out under the Theatre-Dance series, but tickets for Saturday are available at the HUB booth and the auditorium from 9 a.m. to 4 p.m. Saturday's program includes "Night Creature," "Hermit Songs," "The Road of Phoebe Snow" and "Liberian Suite."

Performing dances which combine modern, jezz end classical elements, Alvin Ailey has toured in America, Europe, Africa and the Far East to critical superlatives. In addition to their regularly scheduled performances, the company will conduct a dance workshop at 3 p.m. Sunday, Feb. 15, at the auditorium. Tickets, which will cost $1, will be available at the door.

The Curtis company will perform at 8:30 p.m. Sunday, Feb. 22, also in the auditorium. The production has been moved from Schwab to accommodate additional scenery, which was recently completed for the opera's premiere in Philadelphia.

The opera will be directed by Dino Yannopoulos, who has served as stage manager for numerous productions at the Metropolitan Opera as well as at the San Francisco Opera and the Cincinnati Summer Opera. He has also conducted in Athens, Buenos Aires, Mexico and Montreel. Tickets are available at the locations listed above.



Alvin Ailey dancers

Chorale to perform

The Penn State Brass Chorale, conducted by James Benshoof, assistant professor of music, will premiere two new works in its concert at 8:30 p.m. Wednesday, Feb. 18, in the Music Bldg recital hall. The 21-piece brass choir will present the first performances of "Two Movements for Brass" by Mark Vogler, a master's degree candidate at Temple University, and "Parelixe for Brass" by John Mitchell, a faculty member at Juniata College. Also to be performed are Copland's "Fantare for the Common Man," and Paul Shahan's "Spactrums."

The Brass Chorale's performance of Corwin Taylor's "Inscriptions in Brass" will be conducted by Ronald Renshaw, an MFA candidate in music. Completing the program will be Grieg's "Funeral March," written in memory of the composer's friend and fellow Norwegian composer, Richard Nordraak. Grieg thought so highly of the work that he requested that it be played at his own interment.

Wallpaper as art

"The Paper on the Wall" will be the subject of a gallery talk by Hedy Landmen, director of the Danforth Museum, Framingham, Mass., at 10:30 e.m. Tuesday, Feb. 17, in the Museum of Art. Mrs. Landmen, former director of the Busch-Reisinger Museum in Cambridge, Mass., is the organizer of a travelling exhibition of wallpaper for the New York Council on the Arts. She has also been curator of wallpaper at Cooper Union and curator of American and Decorative Arts at Princeton University. Her talk is sponsored by the Friends of the Museum of Art.

Composers' concert

Two pieces for chamber orchestre and works tor pleno and woodwind quintet will be among compositions by music students to be performed in the Composers' Concert at 8.30 p.m. Monday, Feb. 16, in the Music Bldg recitel hall. Senior Mark Leporte and graduate student Berbara Reeves have written chamber works to be performed by Musica de Camere, which will be augmented by several musicians and conducted by graduate student John Hall. The Claremont Woodwind Quintet will also perform e work by Mr. Laporte et the concert, which will feature work by several other student composers.

Lazorik photo show

An exhibition of photography by Wayne Lezorik, assistant professor of ert et the University of New Mexico, is on view Tuesdays and Thursdays from 1 to 5 p.m. In Room 212A Arts Bldg. Mr. Lazorik, the subject of several previous one-man shows, has included 15 very large black-and-white photographs in the exhibit, with six being

(Continued on page four)

Be Glad Then Penn State

By ALLEN HUGHES
Special to The New York Times

UNIVERSITY PARK, Pa., Feb. 7—Pennsylvania State University has scored a major victory in the Bicentennial cultural-events race with the premiere here last night of John La Montaine's "Be Glad Then, America," a grand and moving opera-oratorio documenting and celebrating incidents that culminated in the Declaration of Independence.

Written on a $17,500 commission from the university's Institute for the Arts and Humanistic Studies, the new work is subtitled "A Decent Entertainment from the 13 Colonies," which is a quotation from a Pennsylvania historical document, and the entire text of the work derives from Revolutionary period sources — newspapers, broadsides, speeches, poems, laws and correspondence. Mr. La Montaine, who created both the libretto and the music, devoted more than a year to the read of these sources before selecting the excerpts he has pieced together with literary skill and sensitivity.

The identification of each quotation is documented, and in the spectacular production of the work created by Saran Caldwell each is identified in a projection on a screen as it is sung.

Mr. La Montaine has quoted only two musical works of the Revolutionary period in his colorful score, and both are by William Billings.

One, which recurs frequently and to fine effect, is the hymn "Chester"; the other is "An Anthem for Fast Day," from which the line "Be glad then, America" is taken.

Mr. La Montaine is a master of choral writing, and the 200-voice Penn State Chorus was the star of the production. Trained musically by Raymond Brown, director of choirs here, and turned into splendid singing actors by Miss Caldwell, these young people brought a marvelous vitality to the spectacle.

And spectacle it was! The amazing Miss Caldwell who was responsible for both the staging and conducting, spread the work all over the 2,600-seat University Auditorium. There was literally wall-to-wall music. The auditorium had six feet-hrough side walls for acoustical reasons, and the sensation of the evening came when, just as the Boston Tea Party was preparing, lights behond the walls suddenly went on and there, ranged on both sides and at various levels, were costumed members of the chorous organized into domestic tea parties and singing across the auditorium.

For the Battle of Lexington, Miss Coldwell had the British Redcoats firing straight out at the audience and the Colonists in the front row of seats firing back at the British—all right over the heads of Miss Caldwell and the Pittsburgh Symphony Orchestra in the pit.

Except for "We, the people," represented by the chorus, "Be Glad Then, America" has only two characters who appear throughout the work. One is King George III, portrayed by Richard Lewis, the English tenor, and the Town Crier, who was Davis American tenor Davis Lloyd. Donald Gramm, the bass baritone, appeared as eight different American patriots — Patrick Henry, Samuel Adams and Tom Paine among them. Odetta, the folk singer, had the somewhat incidental role of the Muse of Liberty. All were impressive.

"Be Glad Then, America" is definitely not an opera in the conventional sense, but it is filled with drama, both implied and overt, and it would be a herd-hearted American indeed who did not feel a lump in his throat as the singing of the Declaration of Independence began the climactic conclusion of the work.

Mr. La Montaine, Miss Cadwell, William Alison, the set designer, Constance Meilen, the costumer, and ell the people involved in "Be Glad Then, America" can be proud of their part in the creation of a vvid and eloquent celebration of a momentous era in the founding of the nation.

Since it would obviously be impractical for the production to tour, this staging of "Be Glad Then, Americe" will be seen only by those who can attend one of the three weekend performances being given now. But if the production could travel, it would certainly win friends and adherents wherever it went.

The above review, reprinted from the Feb. 8 "New York Times," is typical of the praise heaped on Penn State's production of "Be Glad Then America." Paul Hume in the "Washington Post" said: "Penn State . . . should be very proud of the entire production and for having helped bring about a fascinating creature." Writing in the Pittsburgh "Post Gazelle," Robert Croan noted: ". . . as lavish and brilliantly executed as anything currently feasible in American musicel theatre." And Daniel Webster in Philadelphia's "Inquirer" said ". . . the stage crackled with excitement end dash."

Caldwell and LaMontaine: "a great good time"

Discussing some of the elements that went into the writing and production of "Be Glad Then America" at a Saturday morning press conference following the premiere, composer John LeMontaine noted that he was still not quite sure what to call his work.

"We discussed whether or not to call it an opera," he said. "It's a short opera if it is an opera, but it's certainly a grand opera!"

Asked whether he considered the work complete, he responded: "Ask Miss Caldwell how many versions there are of 'Boris Godunov'." And he noted that four different endings for the lest act had evolved during reheersals, and he hasn't made up his mind which one he likes best.

Predicting that there will be other productions of the work — "although none as glorious as this" — artistic director Serah Caldwell praised the choir as "the great strength of the production." And she pointed out:

"It was very interesting to me to see how wholeheartedly they threw themselves into the work," she said. "A patriotic piece — if you went to use that term — can be very dangerous. It could have turned young people off if written and conceived differently."

That it did not Miss Caldwell attributed to the fect that the work is simultaneously both involved and distanced from its period.

Mr. LeMontaine amplified: "The music was chosen from contemporary idioms which would have been acceptable to the colonists. The scene leading up to the shots at Lexington, for example, has a tune in the files which of course I wrote, but it is in the character of fife and drum music end would have been easily intelligible in 18th century terms. As this led to the shots which resulted in a scream from the onlookers, it was followed by complex polytonel chords ell piled up on top of each other with brass fanfares. This is the orchestral equivalent of a scream, and that scream coming out of their material is something I believe the colonists would have understood."

Miss Caldwell was asked to comment on the reasoning behind some of her staging. She said she had chosen to use the spectacular fireworks at the conclusion because it was supposed to be the fourth of July. (And they were prescribed by John Adams, Mr. LaMontaine added.)

"The composer," Miss Caldwell said laughingly, "was a real bear about making all the elements in the production seem something the colonists might have done."

On this score, Mr. LaMontaine initially objected to the overhead screen projections which Miss Caldwell suggested in order to make the audience conscious of the original source materials behind each segment of the libretto. Mr. LeMontaine, however, was somewhat mollified when she agreed to call them "illuminations."

Of her much-applauded decision to put part of the choir in the side walls of the auditorium, Miss Caldwell said:: "I'd never seen side walls before where you could put people. I felt they would make marvelous resonating chambers, end I also felt the piece should have elements of being a bit of fun."

And she continued:

"I don't know anywhere else on earth where you could have produced e piece this way. There is incredible talent on the student and faculty level. I believe this work will be done again in many different ways because unusual pieces get done in a variety of ways, but the resources here made it possible to do this production in a vary special way. And I might add it was also done in an atmosphere of having a great good time."

To illustrate her last statement, Miss Caldwell described an assignment given the choir as part of a set of ecting and dance exercises. The whole group was to get together and decide on some kind of athletic match and then to watch end react to it — without telling the director what it was.

After conferring together, they ell came to the footlights end froze looking at one spot. Needless to sey, the dramatic coach was upset. He'd failed completely. There was no animation in the group. "What are you watching?" he finally ventured.

"A chess match," his charges replied!

WPSX highlights

Pianist Philip Dettre, assistant professor of music, performs three works by French impressionist composer Gabriel Faure on **Impressions in Music** Friday, Feb. 13, at 6:30 p.m. Selections are "Theme and Variations, opus 73"; "Impromptu no. 3 in A-flat mejor"; and "Nocturne no. 6 in D-flat Major."

Scientific research in the Antarctic is the subject of "Ninety Degrees Below" on **Nova** Sunday, Feb. 15, at 8 p.m. The hour-long documentary, filmed entirely on location in the Antarctic, examines the reasons why scientists from all over the world find the area a fertile ground for research and how it may hold clues to a possible future ice age. Nova may also be seen Saturday, Feb. 21, at 3 p.m.

Award-winning euthor-journelist Bill Moyers presents an hour-long conversation with philosopher and educetor Mortimer Adler on **Bill Moyers' Journal** Sunday, Feb. 15, at 10 p.m.

John Adams' tenure as America's first Vice President is the focus of **The Adams Chronicles** Tuesday, Feb. 17, at 9 p.m. During this period, he found himself caught in the middle of a philosophical battle between Jefferson and Hamilton.

Joseph Wiseman stars in "Zalmen, or the Madness of God" on **Theater in America** Wednesday, Feb. 18, at 9 p.m. The play is Elie Wiesel's mystical drama of one rabbi's impassioned rebellion against religious persecution in Russia.

Three Pennsylvania craftsmen are profiled on **Gifted Hands,** an hour-long special program, Thursday, Feb. 19, at 7:30 p.m. The Penn State Television production focuses on how professional involvement in crafts affects other aspects of a craftsman's life. Featured are Bill Strickland, Jr., a Pittsburgh potter; weaver Annette Hobbs, of State College; and Wilbert Leuter, a Reading tinsmith.

Jean Peters and Albert Salmi star in a television adaptation of Sherwood Anderson's "Winesburg, Ohio" on **Hollywood Television Theatre** Thursday, Feb. 19, at 9 p.m. The play centers around a mother's struggle to help her son escape the small town life that has stifled her.

Book donations asked

Book donations are being requested by the local branch of the American Association of University Women for its 15th annual used book sale, which will be held April 5-9 at the Wesley Foundation. Paperbacks and hardbacks of all kinds are welcome — reference books, music, crafts and hobbies, mysteries or classics — end special magazines such as "Gourmet" end "National Geographic." There lis always a demand for cookbooks and good children's books. Books may be left in special boxes in the rear entryway of the Schlow Library. Information on other collection centers or pick-up service is availebla from Sarabeth Croll, 237-8066.

Arts roundup

(Continued from page three)

shown at one time on a rotating basis. Educated at the University of Minnesota, the photographer has been director of the Westbank Gallery there. A participant in many group exhibitions, he worked from 1964 to 1966 on mathematics films under the support of the National Science Foundation. The show ends Feb. 24.

Children's play

Penn State's Children's Theatre is premiering a new musicel drame, "Norton I, Emperor of the United States," et 7:30 p.m. Friday, Feb. 13, in the Pavilion Theatre. Other performances are scheduled for Feb. 14, 15, 20, 21 and 22, and their times are listed in the University calendar. The play was written by a Penn State alumnus, Thomas Spivey, and Dr. Helen Manfull, assistant professor of theatre arts, with music end lyrics by Mr. Spivey. Dr. Menfull is directing the play, which is based on the life of a real person, Joshua A. Norton, who lived in San Francisco just after the gold rush of 1894. Dr. Menfull hes previously directed such successful plays es "The Blue Bird," "Five Minutes to Morning," "The Beeple," "Ofoif" end "The Second Shephord's Play."

Tickets may be purchesed at the Playhouse Box Office from 1 to 6 p.m. on nonperformance days end from 1 to 9 p.m. on performance days.

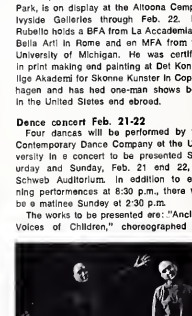
Rubello exhibits

An exhibit of paintings by David Jerome Rubello, instructor in art at University Park, is on display at the Altoona Campus Ivyside Galleries through Feb. 22. Mr. Rubello holds a BFA from La Accademia Di Bella Arti in Rome and an MFA from the University of Michigan. He was certified in print making and painting at Det Kongelige Akademi for Skonne Kunster in Copenhagen and has held one-man shows both in the United Stetes end ebroad.

Dence concert Feb. 21-22

Four dances will be performed by the Contemporary Dance Company at the University in e concert to be presented Saturday and Sunday, Feb. 21 and 22, in Schwab Auditorium. In edition to evening performences at 8:30 p.m., there will be e matinee Sunday et 2:30 p.m.

The works to be presented are: "Ancient Voices of Children," choreographed by



Contemporary Dance Company

LaRue Allen with music composed by George Crumb; "A Suite of Improvisations," choreographed by Patricle Helgel-Tenner end Niles Seyers; "Suite of Pre-Classic Dances," choreographed by Patricle Helgel-Tenner with music composed by Bruce Trinkley; and "The Brahms Waltzes," choreographed by Charles Weldman and reconstructed from the Labonetation score by Gail Devereaux.

The Contemporary Dance Company was formed at the University in 1973, and since then has been performing at University Park and touring the state, giving concerts and master classes. It is composed of about 15 dancers from the University faculty and student body and the State College community. Co-directors of the company are: Patricia Helgel-Tenner, assistant professor in dance; LaRue Allen, director of the Central Pennsylvania Dance Workshop; and Gail Devereaux, assistant professor in dance.

Tickets for the concert went on sele beginning Saturday, Feb. 7, at 105 While Building and The End Result, 109 S. Allen St., el $2 for general admission and $1 for students.

Metal maps—invisible landscapes revealed as contour maps

"There are really three 'languages,'" says professor of geography Peter Gould. "We have words, mathematical symbols, and graphic languages. Graphic language can often communicate with en immediacy which is absolutely impossible to get in verbal and algebreic forms. This is why geographers are so excited by the idee of maps."

Tha maps to which Dr. Gould refers are not the old projections remembered from schoolroom walls.

"Geographers todey are using maps in detailing with spacas that appear esoteric and unrealistic but are, in fact, the 'real' spaces," he explains.

"Distence, as it ralates to certain forms of human interaction, has been almost annihilated or, at least, tremendously compressed. Conversely, some spaces have been greatly expanded; for exemple, in a city with strong feelings about race, the communication spacas may be only e street apart, but to the people who live there the areas are widely separated. So maps today must be ruptured and torn versions of old notions of space," Dr. Gould concludes.

This kind of thinking exemplifies what is called the "new geography," and to this re-emerging discipline, Dr. Gould has contributed the mental map.

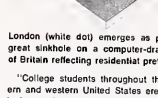
"A mental map is a contoured surface showing the topography of preferences for residential desirability," he explains. "It's an invisible landscape of human preferences shown as a contour map."

To make a mentel map, the geographer works with a conventional outline map asking people to rank-order on it their preferences for where they'd like to live.

"Usually," Dr. Gould explains, "we try to pose the question: "If you were completely free to choose, not bound by economics, what would be your set of preferences of where to live?"

Dr. Gould introduced his mental map concept in 1966, and one of his early and continuing efforts has been mapping Penn State's students' living preferences in America.

"Imagine the surface of the United States as a sort of contour map, where the high points are areas of perceived desirebility and the vallays are places which are disparaged," he suggests.



London (white dot) emerges as part of a great sinkhole on a computer-drawn map of Britain reflecting residential preferences.

"College students throughout the northern and western United States are surprisingly consistent in their mental maps. A typical one would show a high California ridge and a low sinkhole in the Dakotas, a Colorado high, then a southern trough, then another gradient rising up over New England. The only real variation is the dome which occurs in the area where a particular student lives. A State College student, for example, would have a central Pennsylvania high point on his map."

During a sabbatical in Sweden, Dr. Gould made mental maps of that country with subjects of all ages. Again, a homogeneity of response emerged.

"We discovered that there is a clear mental map of Sweden that seems to be shared by everyone there, the only differences being the particular local dome of desirability," he says.

"Mental Maps," a paperback which Dr. Gould wrote with his former graduate student Rodney White (now with the World Bank in Dakar, Senegal), contains mental maps of the inner-city of Philadelphia. The city in this case is mapped with peaks representing areas of perceived high stress and valleys, which are safe avenues through the urban environment.

"David Ley, who made this map, then charted people's actual movements through it," Dr. Gould explains, "and he found clear evidence that people did not necessarily move from point to point in a straight line. Their movements were conditioned by the invisible landscape so that when they encountered a high peak of perceived stress, they took a safe valley around it."

A preliminary study of truant children in Philadelphia revealed similar mental maps.

"We found that the school bus stops for these children were often located in high stress peaks — gang boundaries, for example — where the children knew they would be roughed up or shaken down. They refused to go to these stops, missed the bus, and ended up truant," Dr. Gould says.

Building on inferences made from mental maps, Dr. Gould has begun mapping what he calls "information surfaces."

"In Canada, we've made information surfaces of French and English-speaking children living just a few miles apart in Montreal," he continues, "and we've found that these surfaces are completely different for the two groups. The French children have a very strong warping and bias toward the Quebec area, and the English-speaking children, even though they live in Montreal, have a strong orientation toward the more English Ontario.

"The maps offer dramatic, graphic evidance that although people may live close together in geographic space, it's the streams of information which actually affect the way they perceive their world. You're sort of a prisoner of your information space," he concludes, "and that space is conditioned by language and culture — the sort of newspapers you read, the television programs you watch, and so on."

After a decade of working with mental maps, what began for Dr. Gould as "a kind of intellectual game" is emerging as a potentially important research tool.

"I've had letters from psychologists, sociologists, planners, communications people — a whole host of different disci-



Dr. Gould

plines," Dr. Gould notes. But he sees his new maps as perhaps most immediately applicable to the problems of planning.

"Since our work in Sweden was published," he says, "we've gotten a lot of inquiries from there. The Swedes have an extensive program of both regional and national planning, and their geogrephers are interested in talking to us about taking our academic work with mental maps and really beginning to use it for a lot of practical planning purposes.

"But I don't believe, nor should anyone else, that mental maps are 'riding to the rescue' to save mankind," Dr. Gould concludes. "They are one little thing that can perhaps increase people's awareness and sensitivity to the way their environment is changing. And, by being aware of this, perhaps we'll begin questioning ourselves about whether we really want to continue in the direction we're headed."

Hiring rules for aliens available

Department heads or faculty members who are contemplating the employment of foreign nationals are urged to contact Robert W. Dombrowsky in Room 118 Willard Bldg. (865-0423).

As meneger of the Personnel Procedures Division, he is the University official authorized to request the granting of exchange visitor visas for employment at Penn State.

The University may employ certain foreign nationals for limited periods of time provided they qualify for and are granted exchange visitor vises, Mr. Dombrowsky explains. But the employment must be a part of the alien's educational program, and upon completion of the training or experience, aliens are expected to return to their native land.

Mr. Dombrowsky notes that all persons receiving compensation from a U.S. employer must have a Social Security number, so when he needs the required visa forms to a foreign national, he also provides an application card for a Social Security number.

"When the card is returned," he continues, "we sent it to the proper Social Security Office with e statement from the University confirming and describing the type of employment and visa involved. A request is made that the granting of the Social Security number be expedited so that it will be available when the foreign national arrives at Penn State.

"Since the documentation necessary to have a foreign national admitted to the United States to accept employment and receive compensation requires some delays, it is essential that the Office of Personnel Administration be informed well in advance of the date when the foreign national is to arrive to teach and/or conduct research. Undue delays in salary peyments can thus be avoided."

The Office of Personnel Administration should also be contected in the event that an alien employed by the University wishes to eppiy for permanent resident status.

Mr. Dombrowsky gathers the information necessary to apply for a Labor Certification for the alien, which must be obtained before the University can submit a preference petition.

Hearings continue

(Continued from page one)

ademic administrators appointed in schools, departments and divisions included in the voting unit. The administration, on the other hend, contends that all academic administrators, including deparlment heads, should be excluded from the bargaining unit.

Q. On what basis is the administration seeking the exclusion of academic administrators such as department heads and directors?

A. According to the provisions of Act 195, all management level employees and supervisors should be excluded from a bargaining unit. The administration contends that all personnel classified as acedemic administrators should, therefore, be excluded.

In the initial experiences with collective bargeining, some college and university administrations agreed to bargaining units which included department heads and other administrators because they believed this would promote e vote for "no representation." Under the normal collegial arrangement of university governance, there is likely to be only minimet conflict for e faculty member between his or her role as faculty member and as academic administrator. This is not the case, however, in the bilaterel context of labor negotiations, where the law requires that the line between menegement and labor be clearly identified. The University's "Faculty Handbook," for instance, clearly describes the department head as a first level supervisor as the letter is defined by Act 195.

Q. What has been the experience at colleges and universities where administrators have been included in the bargaining unit?

A. It has created the necessity to reatign managerial responsibilities. Also, in some instences, a new level of supervision and management had to be created at increased cost. This has been the outcome in some institutions which had not contested inclusion of depertment heads in the bergaining unit. Although Penn State continues to believe that collective bargaining is neither desirable nor inevitable, it must strive throughout the unit determination hearings to achieve a workable unit for conducting labor negotiations in the event a faculty bargaining representative is elected.

Q. What is really at issue with respect to the non-teaching professionals?

A. The character and quality of the University's programs in teaching, research and public service are the sole responsibility of the University's faculty. Other University personnel, including executives, administrators, non-teaching professional and semi-professional personnel, clerical and technical service employees, provide the necessary support for these programs. These latter functions, however essential, are fundamentally different from the faculty functions.

Both the AAUP and Penn State have taken the position that an appropriate faculty voting unit for The Pennsylvania State University should include solely the University's faculty, those persons classified as "academic" employees. This includes professional, research and librarian faculty members. On the other hand, PSUPA seeks to include what has become known in the academic arena of collective bargaining as non-teaching professionals (personnel classified at Penn State as staff exempt personnel).

Q. What did the PLRB decide on the inclusion of department heads and non-teaching professionals at the University of Pittsburgh?

A. The Board, in the decision issued Jan. 22, excluded department heads, except for the School of Medicine, and non-teaching professionals.

Q. The unit determination hearings for the University of Pittsburgh began in October, 1974, and continued through July, 1975. Is it likely that Penn State's hearings will take as long?

A. Most likely the hearings will continue for at least several months to establish e record capable of defining and delineating the facts on which e unit decision can be made. Regardless of how anyone believes the outcome of an election would or should be, there is the possibility that e bargaining representative could be elected and that labor negotiations would be conducted. It is important that the members of the unit defined by the PLRB share an appropriate community of interest with respect to "wages, hours and other terms and conditions of employment." All of the positions being taken by the University administration with respect to the determination of en appropriate voting unit have been developed with the possibility that an election need not, but in fact could, lead to collective bargaining.

New exam policy

The University Faculty Senate hes adopted a final examination policy which requires that all end-of-term exams be given during the final examinetion period.

In a clarification of a previously passed policy, the Senate at its Feb. 3 meeting approved recommendations on a general examination policy and a final examination policy from its Committee on Undergraduate Instruction.

Under the final examination policy, a full ten weeks of instruction should be offered each term with no examinations scheduled during the last week of classes. Quizzes and narrowly limited tests in support of classroom instruction may be given during the final week.

Where end-of-term written examinations are not required, the instructor must submit an alternate means of evaluation "unless an exception for educational reasons has been authorized by the faculty of the program offering the course."

A number of senators objected to the policy, with one calling it too specific and intertering with an instructor's right to teach, while another said it was unenforceable.

Several amendments to the proposals were defeated, however, including one which would have reverted back to the policy in effect prior to March, 1975.

In other action, the Senate voted to continue to offer e ten-week summer term, with special shorter time period classes for primary and secondary school teachers.

The Senate also:

— Approved e recommendetion to drop the Academic Policy definitions of resident education and continuing education.

— Heard an informational report from Provost Russell E. Larson on the progress of program review.

— Heard an informetionel report on the effects of inflation on the University Libreries.

PSU gets 3.91 percent hike

Gov. Milton J. Shapp in his budget message presented in Harrisburg Feb. 4 recommended an appropriation of $106,730,000 for Penn State for 1976-77.

The amount is an increase of $4,022,000 or 3.91 per cent over the $102,708,000 appropriated for the current year.

University officials last September had requested $118,711,000 or an increase of 15.58 per cent over the 1975-76 appropriation. The request included $3,690,000 for medical education programs in the College of Medicine, urging an increase in the per capita amount for medical education from the level of $7,465 that has been in effect for a number of years to $10,000. The budget recommended by the Governor maintains the $7,465 per capita amount.

The recommended Penn State appropriation, as it appears in the Governor's Executive Budget for 1976-77, follows:

(Dollar Amounts in Thousands)

	1974-75 Actual	1975-76 Available	1976-77 Budget
Educational and General	$ ...	$ 71,593	$ 74,457
Instruction	63,189	.....	.....
Student Aid	1,760	1,760	1,760
Research	17,064	17,064	17,747
Extension and Public Services	9,626	9,626	10,011
Medical Programs	2,493	2,665	2,755
Sub-Total Penn State University	94,132	102,708	106,730

President comments on Shapp's message

The proposed appropriation increase contained in the Governor's Executive Budget recommendations for 1976-77 falls far short of meeting the basic needs of Penn State. The recommended increase is about one-quarter of the amount requested by Penn State.

The requested appropriation increase last September had placed a very high priority on avoiding a tuition increase in 1976-77 and was limited to funds necessary to deal with inflation. That request also reflected the fact that Penn State had already made internal budget cuts exceeding $9 million dollars over the last five years.

We recognize the very tight revenue situation of the State. However, we also recognize the potential implications an appropriation at this level could have for the effective functioning of the University, as follows:

1. The recommended increase does not meet the unavoidable inflationary costs and other increases over which the University has little or no control.

2. It would have an impact on our ability to maintain sound educational programs.

3. It would have an impact on our ability to provide needed salary increases for employees.

4. It would have an impact on tuition, although one of our highest priorities will continue to be to seek every means available to avoid a major tuition increase next year.

In the coming weeks, I will meet with members of the Legislature and State officials to emphasize the serious implications of the recommended appropriation.

At the same time, I must remind all members of the University community that we must be realistic about the budget, which is a reflection of the state of the economy. In the absence of new or expanded revenue sources, the State is limited in what it can do at the present time. We must continue to identify and implement internal cost-cutting measures and to reallocate funds to areas of greatest need. In this context, we will do everything possible to convince the Governor and the Legislature of the importance of increased support for Penn State.

Staff vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Feb. 19, 1976. Do not contact the area that has the vacancy.

DIRECTOR OF TRANSPORTATION SERVICES, OFFICE OF BUSINESS SERVICES — University Park

Responsible to the Assistant Vice President for Business Services for the development and administration of University transportation services, including the University Park Airport and Fleet Operations. A bachelor's degree plus seven to ten years of experience in motor fleet and/or fixed base general aviation operations management or related administrative experience is required. Related advanced postgraduate work and thorough knowledge of Federal Aviation Regulations is preferred.

ADMINISTRATIVE ASSISTANT FOR ACADEMIC SERVICES — Fayette Campus

Responsible to the Assistant Director for Resident Instruction for developing and maintaining a system of scheduling, registration, record keeping and processing for the Resident Instruction Office. Interacts with faculty, students and other administrative staff at the Campus and at other University offices in coordinating those aforementioned functions with the policies and procedures of the University. Bachelor's degree or equivalent with one to two years' administrative and computer experience basic knowledge of scheduling, records and registration procedures desired.

COLLEGE HEALTH NURSE, IN-PATIENT AND EMERGENCY ROOM, STUDENT AFFAIRS — University Park

Responsible to the Head College Health Nurse, In-Patient and Emergency Room, for providing nursing service in the In-Patient Service Area and in the Emergency Room and assisting licensed physician and dentist in-patient care. Graduate from an accredited nursing program or its equivalent and current licensure in Pennsylvania as a registered nurse, plus six to nine months of directly related experience.

ASSISTANT TO THE DIRECTORS, STUDENT AFFAIRS — University Park

Responsible to the Director of Student Activities and to the Director of Career Development and Placement for providing administrative support services in the areas of student program advising and student employment, respectively. A bachelor's degree or equivalent plus over one and up to seven including two years of directly related experience or a master's degree and over three months of directly related experience is required.

MEDICAL SOCIAL WORKER — Hershey

The Social Worker is responsible for providing basic in-patient and out-patient Medical Social Services within the Medical Center and serves as part of the house care team in providing practice help and emotional support to patients and their families. Master's degree in social work or equivalent from an accredited college or university plus two years' experience in hospital, health or family social work.

In addition to the above vacancies, there are positions that frequently are available because of the number of employees in them. They are not listed below and will not be listed on an individual vacancy basis. Applications for such positions may be made at any time, and you are welcome to make your interests known now to the Employment Division for future consideration when vacancies occur. These positions are:

Staff Nurses, Licensed Practical Nurses, Radiology Technicians, Research Technicians and Medical Technologists, all at the Hershey Medical Center; Assistant Food Supervisors in Housing and Food Service; Residence Hall Coordinators and Assistant Coordinators in Student Affairs; and Nutrition Assistants in Agriculture Extension in various counties.

Funding opportunities

For further information, call 865-1372

(213-1) An updated version of **"Awarding of Indirect Costs for NIH Research Grants"** has been issued through the NIH Guide, superseding the June, 1971, version. (Ref. NIH Guide, Vol. 5, No. 1, 1/30/76)

(213-2) The National Endowment for the Arts announces the ninth **Work Experience Internship Program** June 7 through Sept. 3. The application deadline is March 16. Interns are assigned to nearly all Endowment programs. One or two candidates are usually sponsored by a college or university. The stipend is $1050 for 13 weeks. Fall and spring programs will run from Sept. 20-Dec. 17, 1976, and Feb. 7-May 9, 1977. (Ref. NEA)

(213-5) Proposed grant program rules for **Nurse Practitioner Training** have been issued by the Public Health Service to provide additional training for registered nurses. Responses are requested by Feb. 23 (Ref. 41FR3551-76, 1/23/76)

(213-6) The Public Health Service has issued proposed regulations for **grants to assist agencies assigned National Health Service Corps** personnel including physicians, psychologists, nurses, dentists, planners and technicians (Ref. 41FR3821-4, 1/26/76)

(213-7) The new Federal Budget increases **research and development funds to colleges and universities** by 9 per cent to a $2.6 billion total. **Energy** (R&D (ERDA) is up 26 per cent, **defense** up 15 per cent and **NSF basic research** up 13 per cent. Defense basic research continues to be phased from "in-house" to universities (May 29, 2161-4). NSF basic research increases add about $40 million to MPE, $26 million to AAEO and $22 million to GSS. **Health Research** is also in for an increase (mostly for cancer research) and **agricultural research** will be increased about $20 million with focus on increased food production and crop and weather forecasting. (Ref. Chemical, 1/26/76)

(214-1) The Environmental Protection Agency announces a March 1 date for its **Air Pollution Fellowships**. Special fellowships are awarded to students in pollution control science, engineering, technology and specialty areas supportive of pollution abatement and control efforts. **EPA also funds research, development and demonstration grants.** Preapplication communications are encouraged. Solicited proposals are solicited. Commerce Business Daily. Unsolicited contract proposals are also available if they meet the FPR sole-source requirements. (Ref. EPA Announcement).

(214-2) OE Bilingual Education Fellowships have a March 23 deadline date (Ref. 41 FR2843-44, 1/20/76) (CFOA 13.403).

(214-3) A grantsmanship workshop to be held March 23 at the Remedy Inn, Arlington (Rosslyn), Va., will be sponsored by the Office of Federal Programs, an organization of the American Assn. of State College and Universities. Subjects covered will include location of grant and contract opportunities and proposal writing. Agency materials will be available. Attendance will be based on available space and the registration is $15. To register, contact Chris Olding at 202-293-7070 by Feb. 15 (Ref. OFP).

(214-4) Criteria for funding and a March 5 deadline date for **foreign language and area studies fellowships** have been announced by the Office of Education (Ref. 41FR4318-19, 1/29/76) (CFOA 13.434).

(214-6) EROA research and development programs and opportunities for colleges and universities were the subjects of a Special Report by the Office of Federal Programs, a unit of the American Assn. of State Colleges and Universities. Included are organization and policy R&D program descriptions, education and training program descriptions, and proposal procedures. Energy commodities distribution was made earlier. The report also includes an Energy Research and Development Administration staff directory. (Ref. OFP).

(214-7) The 1976 Summer Seminar Stipends program for college teachers has been announced by the National Endowment for the Humanities and carries a March 1 application deadline. Institutions throughout the country will host 77 seminars with 12 participants each. Seminar areas include: art history, classics, literature, language, history, music, philosophy, religion, political science and social science. Call Marjorie Berlincourt at 202-382-7140 for additional information. (Ref NEH announcement + OFP).

(214-8) Uniform methods for **reconsideration of proposals declined by NSF** have been announced. Information about a declination may be requested by letter, telephone or personal visit. The information will include verbatim comments from the peer reviews (if requested) with reviewer identity deleted. Reconsideration of the proposal may then be requested in writing and received by NSF within 180 days of declination date. NSF Important Notice No. 61. (ref. ibid).

(214-9) Service delivery research proposals are being solicited by NSF to help local governments make better decisions in solid waste management, urban water resources, fire protection and financial management. The proposal deadline date is March 29. Program solicitation 75-42, "Decision-Related Research in the Field of Urban Technology," is available at 202-632-4126 (Ref. NSF/PA/M(76-31)).

HUB carnations on sale

The Helzel Union Board will be selling carnations for Valentine's Day all day Friday, Feb. 13, on the first floor of the HUB next to the ballroom. The carnations will be sold at 50 cents apiece.

News in brief

(Continued from page one)

of a symposium on Palestinian nationalism at Tufts University and writer-in-residence at the Virginia Center for the Creative Arts.

His talk is sponsored by the Middle East Studies Committee as part of its series on the Arab-Israeli conflict.

Council recommends policies

Recommendations on policy and procedures, studied by two sub-committees of University Council, were approved last Thursday by the Council and forwarded to President Oswald for consideration.

One recommendation approved was that on the revision of the interim procedures for resolving student allegations of discrimination as required by Title IX of the Education Amendments of 1972.

Dr. Richard F. Reynolds, assistant professor of mathematics at the McKeesport Campus, who headed the sub-committee, explained that the revision encourages the resolution of charges in an informal manner rather than through the filing of a discrimination appeal form and review by a discrimination review panel.

The other policies reviewed were those proposed for use of University equipment, supplies and services and for use of the University mail service. Dr. John L. Lumley, Evan Pugh Professor of Aerospace Engineering, serving as chairman of the subcommittee reviewing the policies, said the revisions suggest that equipment, supplies and services owned, leased or operated by the University should be used only to further the interests of the University and that authority for approving such use should be delegated to the person responsible for the equipment, supply or service.

All three policies have also been undergoing review by other University committees.

Ulerich names committees

William K. Ulerich, of Clearfield, elected president of the Board of Trustees of the University on Jan. 17, has designated trustees to serve on the various committees of the Board.

Ralph Hetzel, of Kent, O., will continue to serve as chairman of the Committee on Educational Policy; Michael Baker Jr., of Beaver, was designated chairman of the Committee on Finance; and George H. Deike Jr., of Pittsburgh, was named chairman of the Committee on Physical Plant.

Special Committee chairmen continuing are Samuel F. Hinkle, Hershey, The Milton S. Hershey Medical Center Advisory Committee; and Dr. Helen D. Wise, State College, chairperson of the Affirmative Action Committee.

The Executive Committee chairman is the president of the Board, Mr. Ulerich.

Mr. Deike was designated also as trustee liaison with the Athletic Department and Walter J. Conti, of Doylestown, was designated as trustee representative to meetings of the Alumni Assn. Executive Board.

Free U. course openings

Anyone interested in starting a course or common interest group for the Free University in the spring term should register their intent by Friday, Feb. 20, so the course may be included in the Free U catalog. The information may be called in to 863-0038 or dropped off at Room 223 HUB.

Black History Week

Speakers, films, drama, a dance and exhibits are features of Black History Week which begins Feb. 15 at the University and will continue through Feb. 15.

Charles L. Blockson, of Gwynedd, a former Penn State football player and track star, will speak on "Black Pennsylvanians" at 7 p.m. Thursday, Feb. 12, in the Cultural Center. His exhibit, "The Black Experience in America — From Colonial Times to the Present," will be on display through Feb. 15 at the Cultural Center, Hetzel Union Bldg. and Pattee Library.

A series of black historical films will be shown from 2 to 5 p.m. Friday, Feb. 13, in the Cultural Center. A discussion of "Black Student History and Involvement at Penn State during the Black Power Movement" will be held at 7 p.m. in the HUB Assembly Room. Taking part will be State Rep. Glenn Grahame, of Pittsburgh, who is a member of the University Board of Trustees, and James Garner, Daniel Trent and Barry Reddish, former black student leaders at Penn State.

A dance will be held at 10:30 p.m. Friday in the Cultural Center. A play, "The Myth of Andro & Elnoria," will be presented at 7:30 p.m. Saturday, Feb. 14, in the Cultural Center, followed by a cabaret at 10 p.m. in Room 301 Hetzel Union Bldg.

The observance will close with a second presentation of "The Myth of Andro & Elnoria" at 7:30 p.m. Sunday, Feb. 15 in the Cultural Center. The winner of the Black History Week Essay Contest will be announced immediately following the play

Larson, Fortunato testify before PLRB hearing examiner

Pennsylvania Labor Relations Board hearings on the makeup of a faculty unit eligible to vote in a representation election at the University resumed on Wednesday, Feb. 11, at University Park.

The hearings, conducted before Hearing Examiner Sidney Lawrence, were called as a result of a petition filed by the Pennsylvania Professional Association (PSUPA) for an election to determine whether or not a bargaining egent should represent Penn State faculty and professional staff.

Another faculty organization, the American Association of University Professors (AAUP), is participating in the unit determination hearings as an intervenor.

PSUPA is seeking a unit to include all faculty, excluding those in the College of Medicine at the Milton S. Hershey Medical Center, and all non-teaching professionals directly related to the academic and research programs. The AAUP seeks e unit including only faculty, but also would exclude faculty in the College of Medicine.

"Pure" feculty unit sought

The University, on the other hand, feels the appropriate unit for an election should be a "pure" faculty unit made up of regular full-time faculty at all locations of the University.

A significant portion ot the testimony in last week's hearings focused on the differences between the University's Code 4 and Code 5 employe classifications. Code 4 employees are academic faculty of all ranks — professorial, librarian and research ranks. Code 5 employes include staff exempt professional employes.

At Friday's session, the University's second witness, Ray T. Fortunato, assistant vice president for personnel administration, testified that the University's position is that an appropriate bargaining unit, should a representative be elected, would consist of all faculty (professorial, librarian and research ranks) at all locations, but would exctude part-time faculty, first-level supervisors, special visiting, clinical and adjunct faculty, affiliate rank faculty, post doctoral fellows and scholers, and faculty associetes.

Under direct examination by University attorney Delbert J. McQueide, Mr. Fortunato emphasized the difference between the working conditions of faculty and staff exempt personnel. He reviewed the University's personnel policy manual, examining numerous policies that differentiate between the two classifications.

He told the hearing examiner that, while his office plays only "a monitoring role" in the hiring of faculty members, it has "full participation" in hiring staff exempt employes, including developing job descriptions and setting pay rates.

In describing the differences between the two classes of employes and the personnel policies concerning them, Mr. Fortuneto seid that staff exempt Code 5 employes are paid on the basis of thair classification and for the duties they perform, and that they are promoted into jobs with more complex duties. Academic employes, he said, are paid and promoted in relation to scholarly activity and who they are (disciplinary reputation), rether than what they do (assignment).

Dr. Russell E. Larson, provost of the University, was the University's first witness in the sessions and testified at length on the responsibilities and the administrative structure of the University and the makeup of the colleges and various administrative offices.

Dr. Larson noted that the University's faculty are located administratively only in the 11 academic colleges, in the University Libraries, and in various inter-college research activities and programs. Staff exempt personnel, on the other hand, are located in all administrative areas of the University as are all other classifications of employes.

Listing the three primary functions of the University's mission as education, research and public service, he indicated that the faculty are responsible for delivering these functions, while all other classifications of employes support the faculty in this mission.

Under cross examination by Ronald Watsman, PSUPA attorney, Dr. Larson said that the University does not have a standard definition of a full-time faculty workload, noting that faculty members in the various colleges are obligated for a variety of assignments in instruction and are expected to participate in research and also are involved in various forms of public service. Mr. Fortunato, in his testimony, said that the standard expectation for staff-exempt employes is a minimum of 40 hours per week.

Frequent consultetions

Also under cross examination, Dr. Larson pointed out that while the provost and dean of the Hershey Medical Center does not have line responsibility to the University provost as do the other college deans, he, and the provost of the medical center consult frequently, and he makes recommendations on the medical center to the president of the University.

Asked about the College of Medicine criteria for tenure, Dr. Larson said the standards for promotion and tenure are the same throughout the University, but noted that criteria may be different, depending on the type of assignment the faculty member has.

All University faculty being considered for promotion and tenure, including those in the College of Medicine, are reviewed by the University Promotion and Tenure Review Committee, he said. The committee's recommendations are forwarded to the University provost, who must review them and make his own recommendations before forwarding them to the president for final action.

Three more days of hearings are scheduled for Feb. 24-26.

Retirement act changes reviewed

In the Dec. 18 INTERCOM, a major change to the State Employes' Retirement Code under the provisions of Act 101 was described. This change dealt solely with members participating in the social security integration (SSI) coverage group who have now been given the option of continuing, freezing or withdrawing their SSI contributions and credit.

In addition to these new SSI options, Act 101 contains other changes to the retirement act which do not require any action on the part of active or retired members of the State Employes' Retirement System. Here are the highlights of those changes:

— Retirement prior to age 60

Members with 35 or more years of service who retire prior to age 60 were formerly guaranteed a full basic annuity (no actuarial reduction for age), but the total annuity was still reduced actuarially when there was an SSI benefit. Act 101 now guarantees a full totet annuity (basic plus SSI).

New reduction tables have been developed for members with ten or more years of credit who retire prior to age 60. The old tables featured a streight percentage reduction for each attained age under 60. The new tables appeer to provide less of a reduction for longer service.

— Disability retirement options

Disabled retirees, who formerly were limited to the single life option, may now also elect one ot the contingent annuitant options.

— Cost-of-living increase in annuity

Act 31, which was passed in March, 1974, provided cost-of-living increases to persons retired prior to July 1, 1972. Act 101 gives a five percent annuity increase to persons retired between 7/1/72 and 3/1/74.

— Annuity requirement of three years service credit

Under former provisions of the act, a member was eligible for an annuity at age 60 regardless of the years at service. Act 101 stipulates that an annuity is not payeble to a member who retires after age 60 with less than three years credit. This mem-

(Continued on page two)

PENN STATE
intercom
Volume 5, Number 21 February 19, 1976

News in brief

New Feculty Handbook

A new edition of the Faculty Handbook is in preparation. Faculty members who have suggestions for deleting items which appeared in the present handbook or for adding new items are invited to send their suggestions to Leslie P. Greenhill, Room 211 Mitchell Bldg., University Park Campus.

Terrace Room closes for break

The HUB Terrace Room will close after the evening meal Friday, Feb. 27, and will remain closed Feb. 28 and 29. The cafeteria will, however, be open for lunch Monday through Friday, March 1-5, from 11:30 a.m. to 1:15 p.m. It will be closed Saturday, March 6, and reopen on a regular schedule with lunch Sunday, March 7.

Exam policy clarified

Because of a misunderstanding of the Feb. 12 INTERCOM article on the University Faculty Senate's final examination policy, the entire paragraph whera the confusion occurred is reprinted here. The entire policy was printed in the Jan. 29 issue of INTERCOM.

"Where end-of-term written examinations are not involved, ensure the submission of any alternative integrative and evaluational means (e.g. term paper, final project report, take-home examinations or studio projects) no earlier than the first day of the final examination period unless an exception for educational reasons has been authorized by the faculty of the department or division offering the course."

"Figaro" to be presented Feb. 22

Mozart's "Marriage of Figaro" will be sung in English by the Curtis Opera Company at its Sunday, Feb. 22, appearance at 8:30 p.m. in University Auditorium under the sponsorship of the Artists Series.

This will be a full-scale opera, accompanied by the company's orchestra, which is conducted by David Effron. Dino Yannapoulos, a veteran of the Metropolitan, San Francisco and Cincinnati Summer Opera Companies, is the stage director.

Ticket prices for this production have deliberately been held down to a price of $2.75 for any seat in the auditorium, and all seats are reserved. Tickets are currently available at the Artists Series HUB booth or at University Auditorium, with box office hours from 9 a.m. to 4 p.m.

Safety holding bikes

The Department of University Safety is holding 135 abandoned or impounded bicycles which may be claimed until Feb. 29 in the Grange Bldg. After that date, all unclaimed bicycles will be turned over to University Salvage and Surplus for sale on March 17.

Charity donations grow

In 1975, 1,353 employees of the University contributed $83,320 to the United Way, with 471 of them making contributions through the payroll deduction plan in the amount of $52,004. The contributions to a designated charity have shown steady growth over the past four years with contributions in 1972 amounting to $45,476 from 1,029 employees; in 1973, $64,594 from 1,194 employees; and in 1974, $72,265 from 1,167 employees. In 1972, the University authorized the use of payroll deductions for contributions to one major charitable fund-raising campaign each year.

Symphony to perform Feb. 21

The Penn State Symphony Orchestra, conducted by Dr. D. Douglas Miller, as-

(Continued on page two)

Faculty Club survey results announced

The Penn State Faculty Club has been an active organization for the past three years, even without a club facility. Now with its home to be completed by the beginning of the fall term, it is expecting an influx of new members.

Accordingly, the club's officers decided to seek member and potential member input to a number of key policy decisions facing the club as it enters this new stage in its life. The result was a survey of all potential members at all campuses (those with instructional, research and library ranks, plus administrators, extension and staff-exempt personnel).

Over 1,700 questionnaires had been returned by Feb 2 from the total of 4,750 eligible individuals to whom they were sent. The results reported here are based on the 1,548 questionnaires returned before the cut-off date. According to Peter O. Bennett, professor of marketing and vice-president ot the Faculty Club, this is a good return rate for a mail survey conducted in this manner.

Equal dues fevored

A large majority of those responding favor a policy where all members pay the same dues (64 percent), as opposed to having dues vary by rank or by salary. About three-fourths believe that dues should not be set to subsidize social events, preferring that each event pay its own way. A vast majority (88 percent) favor a special low dues rate for Commonwealth Campus members, a policy supported almost as strongly by University Park as by Commonwealth Campus respondents.

Other policy issues raised showed strong opposition (9 to 1) to a minimum monthly purchase rule, and fairly strong support for a policy of including a gratuity in the prices of meals (61 percent in favor).

Respondents were asked whether or not they favored the club accepting reservations for lunch or for dinner meals. For lunch, the potential members are about evenly split (44 percent in favor and 56 percent opposed), but a large majority (87 percent) favor reservations for dinner.

Opinions about a dress code are veried. Very little support (26 percent) is evidenced for a dress code for lunch in the main dining room, and even less (13 percent) for lunch in the lounge. A dress code for dinner in the main dining room received considerably more support (59 percent), however.

The survey was designed so that those respondents who had no interest in the club at all could say so and return the questionnaire after answering just the first few questions. Selecting that option were less than 1 percent of the current members and 26 percent of eligible non-members. By campus, these figures ranged from 16 percent for University Park to 49 percent for all other campuses.

Potential members' reactions to various possible dues structures were obtained by asking respondents whether they "definitely would," "probably would," "don't know," "probably would not," and "definitely would not" join et three different ranges of annual dues. At a level of $80 to $100 per year (the minimum the finance committee considers economically feasible), 90 percent of current members and

(Continued on page two)

PENN STATE COLLECTION

Calendar

February 19–29

Special events

Thursday, Feb. 19
Commons Videotape, "The Antarctic," 12 noon, Kern lobby.

Friday, Feb. 20
Sports: Women's basketball, vs. Pittsburgh, 7 p.m., White.
Folk and Square Dance Roundup, 7:30 p.m., south gym, White.
University Theatre, "Norton I, Emperor of the United States," 7:30 p.m., Pavilion Theatre.
GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Teri Gamberling, piano recital, 8:30 p.m., Music Bldg. recital hall.

Saturday, Feb. 21
University Theatre, "Norton I, Emperor of the United States," 10:30 a.m. and 2:30 p.m., Pavilion Theatre.
Sports: Women's and men's bowling, PSU Invitational, 7 p.m., Rec Bldg. Coed riffle, vs. West Virginia, 2 p.m. Women's swimming, vs. East Stroudsburg, Clarion, Slippery Rock, 7 p.m. Man's basketball, vs. Pittsburgh, 8 p.m., Rec Bldg. Wrestling, vs. Pittsburgh, 2 p.m., Rec Bldg.
PSU Symphony Orchestra, 8:30 p.m., University Auditorium.
The Contemporary Dance Company In Concert, 8:30 p.m., Schwab.

Sunday, Feb. 22
Chapel Service, 11 a.m., Eisenhower Chapel, Dr. Eloise C. Snyder, sociology.
Black Christian Fellowship worship service, 11 a.m., Cultural Center, Walnut.
University Theatre, "Norton I, Emperor of the United States," 2:30 p.m., Pavilion Theatre.
The Contemporary Dance Company In Concert, 2:30 and 8:30 p.m., Schwab.
Artists Series, "The Marriage of Figaro," 8:30 p.m., University Auditorium.

Friday, Feb. 27
Sports: Wrestling, EWL Tournament.

Saturday, Feb. 28
Sports: Wrestling, EWL Tournament. Men's swimming, vs. St. Bonaventure.

Seminars

Thursday, Feb. 19
Chemistry, 12:45 p.m., Room 333 Whitmore. Daniel V. Santi, U. Cal., San Francisco, on "Mechanism of Thymidylate Synthetase Reaction."
Meteorology, 4 p.m., Room 26 Mineral Sciences. Simon Chang, graduate student, on "Some Experiments with an Axi-Symmetrical Hurricane Model."
Physics, Biophysics and Biophysics joint colloquium, 3:50 p.m., Room 117 Osmond. Dr. Stuart Kaufman, biophysics and biochemistry, on "Are Biological Clocks Nonlinear Oscillators?"
Biochemistry, 12:30 p.m., Room 617 Life Science. Richard Hippikka on "Sugar Transport in Mature Bovine Spermatozoa."
Philosophy, 4 p.m., Room 167 Willard. Professors John Anderson, Carl Hausman and Carl Vaudeh will discuss Dr. Anderson's book, "The Realm of Art."
Ceramic Science, 11 a.m., Room 301 Mineral Industries. Dr. Ray J. Bratton, Research and Development Center, Westinghouse Electric Corp., on "Progress in Ceramics for Industrial Gas Turbines."
HDSF Colloquium, 7:30 p.m., Room S-209 Henderson. Human Development. Robert Staples, University of California Medical Center at San Francisco, on "The Black Family: Past, Present, and Future."

Friday, Feb. 20
Biochemistry and Biophysics, 4 p.m., Room 101 Althouse. C. Fred Fox, UCLA, on "Supra-molecular Organization of Proteins in Cell Membranes."

Monday, Feb. 23
Genetics, 3:55 p.m., Room 108 Tyson. Dr. Kenneth Goodwin, poultry science, on "Avian Tumor Viruses and Lymphoid Leukosis in the Fowl."

Tuesday, Feb. 24
ARL, 10:45 a.m., Eric A. Walker Conference Room, Applied Science. Richard B. Smith on "Propagation of a Chemical Reaction through Heterogeneous Lithium-Perfluoroethylene Mixtures."
Water Pollution Control, 2:20 p.m., Room 101 Chambers. "Permits and Enforcement."

Thursday, Feb. 26
Biochemistry, 4 p.m., Room 101 Althouse. Nancy Schroedl on "Oxidative Titrations of Cytochrome 'c'."

University schedule

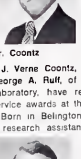
Wednesday, Feb. 25
Deadline for fate Drop-Adds.
Classes end.
Last day for signing Winter Term Emergency Loans, Room 108 Shields.

Thursday, Feb. 26 - Saturday, Feb. 28
Final examinations.

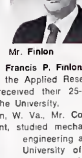
Exhibits

Museum of Art: Recent Sculptures of John Cook. Hugo Weber: A Retrospective Exhibit.
Zotter Gallery: David Hare Exhibition, until Feb. 20.
Chambers Gallery: Graduate Student Exhibition, all media, until Feb. 25.
Kem Gallery: Nicki Ruggieri Bicentennial Art Exhibit, sponsored by the Harrisburg Patriot News, until Feb. 26. Lanny Sommese, photography, opening Feb. 28. Ukrainian folk art, through Feb. 29.
HUB Gallery: Penn State Room Exhibit honoring the dedication of the HUB addition, lobby paintings by Nabil El-Husseine, gallery.
Room 212A Arts Bldg.: Wayne Lazorik, photography, Tuesdays and Thursdays, 1-5 p.m.

Faculty notes



Mr. Coontz



Mr. Finlon

J. Verne Coontz, Francis P. Finlon and **George A. Ruff,** of the Applied Research Laboratory, have received their 25-year-service awards at the University.

Born in Belington, W. Va., Mr. Coontz, a research assistant, studied mechanical engineering at the University of Akron. Following a stint as a draftsman at B.F. Goodrich, he moved to the Toledo area where he worked as a designer at Willys-Overland Motors, Toledo Scale, the Packard Motor Car Co. and the Owens-Illinois Glass Co. He served as a designer at the Garfield Thomas Water Tunnel for many years and currently coordinates hardware procurement there.



Mr. Ruff

Mr. Finlon, a professor of engineering research and a Carbondale native, earned his B.S. and M.S. in electrical engineering at Penn State and started part-time at the Lab in 1951. After receiving a degree work at Brown University, Mr. Finlon returned to ARL in 1950. As assistant director he headed up the Acoustics and Signal Processing unit and from 1968 to 1972 was associate director. Currently, as deputy for advanced systems, Mr. Finlon is concerned with the development of new areas of investigation.

Mr. Ruff, a Schuylkill native, obtained his B.S. from Penn State, too. He served in the Coast Guard during World War II and worked as a research chemist at the United States Leather Co. During his years at the Laboratory, he has racked a variety of research projects, done graduate work in physics, taught at several engineering seminars, and for many years was in charge of the calibration station at Black Moshannon.

Dr. Hellmut Hager, professor and head of the Department of Art History, presented a talk, "Carlo Fontana as a Designer of Chapels and Altar Pieces," at the Metropolitan Museum of Art in New York. The talk was given as part of a symposium held in conjunction with the current exhibition of architectural and ornamental drawings there. The show, "Juvarra, Vanvitelli, the Bibiena Family and Other Italian Draughtsmen," premiered at Penn State's Museum of Art last November.

Dr. Robert E. Dunham, vice president for undergraduate studies, has been appointed to the board of directors of the American Council on German Studies. Founded by the American Assn. of Teachers of German and the National Carl Schurz Assn., the council seeks to coordinate efforts to promote German studies in the United States. Dr. Dunham has also been named to represent Penn State on the Canal Zone Higher Education Coordinating Committee, an interagency coordinating organization composed of local representatives from each institution of higher education active in developing educational opportunities in the Canal Zone.

Linda Plotkin, assistant professor of art, has been awarded a fellowship to the Macdowell Colony in Peterborough, N.H. During her fellowship residency in March and April, she will work on a series of drawings and intaglio prints in preparation for a one-woman exhibit at the Impressions Gallery in Boston in May.

Dr. Richard A. Olsen, assistant professor of human factors in engineering, has been selected by the Society of Automotive Engineers as a recipient of the 1976 Ralph R. Teetor Award. He will be a guest of the SAE during the 1976 Automotive Engineering Congress and Exposition, Feb. 23-27, in Detroit, Mich. Dr. Olsen is one of 30 recipients of the award chosen from nominations made by colleges and universities throughout the country. He was selected on the basis of his interest and accomplishments in the area of human factors of transportation.

Dr. Patrick C. Fisher, professor and head of the Department of Computer Science, attended a meeting of the National Research Council of Canada in Ottawa earlier this month. He is a member of the Council's Grant Selection Committee for Computing and Information Science. Prior to joining the Penn State faculty in 1974, Dr. Fischer taught at Canadian universities for seven years.

Faculty Club

(Continued from page one)

54 percent of non-members said they definitely or probably would join (or retain their membership). At the $100 to $150 range, these proportions dropped to 51 and 15 percent, respectively. At the highest limit of $150 to $200 per year, they reached 22 percent and 3 percent.

Based on the answers to this question, a group of "most likely members" was chosen for those that answered "definitely would" or "probably would" join at the $80-$100 range. Special analyses were done on these as they represent the best evidence of the membership the first year the club facility is in operation.

The most likely members are in agreement with the total sample on all dues policies, i.e., that all members should pay the same dues, that each social event should pay its own way, and that there should be a low dues policy for Commonwealth Campus members. They are also in agreement with the total sample on dress code, minimum monthly purchase and reservations policies.

These most likely members eat about half their lunches in on-campus or off-campus establishments, with the other half eating at home, consuming machines or from "brown bags." They spend from $1 to $3 for lunch now, and from $3 to $8 for dinner eaten out.

The results of the survey are now being used by the officers, directors and various committees of the Faculty Club as they make their decisions about club policy for the coming year. Any eligible member wishing more information about the survey, or wishing to join the club may do so by calling 865-1982.

News in brief

(Continued from page one)

ociate professor of music, will perform four works in concert at 8:30 p.m. Saturday, Feb. 21, in University Auditorium.

The program will open with a overture to "Der Freischutz" by Weber, written in the early 19th century and considered perhaps the first romantic opera. Soprano Kyung Sook Kim, a music graduate student and an overall winner in the Young Artists Competition, will perform two arias, "Dove sono" from Mozart's "Marriage of Figaro" and "Vissi d'arte" from Puccini's "Tosca." The other overall competition winner, pianist Marcus Chubbuck, a senior music student, will perform Tchaikovsky's "Piano Concert #1 in B Flat Minor."

Completing the concert will be Dvorak's "Symphony #8 in G. Major," a late work which, with his New World Symphony, is among his most often performed pieces.

Winter commencement

Winter Term commencement exercises at the University will be held at 10:30 a.m. Saturday, March 6, in Recreation Bldg. with more than 1,750 graduates listed for degrees. President Oswald will be assisted in conferring the degrees by John R. Pitzer, representing the Trustees.

Retirement act

(Continued from page one)

ber will only qualify for a return of contributions plus interest.

—Definition of final average salary

This definition is used in the annuity formula and formerly applied to the average of the highest earnings received during any three non-overlapping periods of **12 consecutive months.** The black-faced words have now been changed to read **four consecutive calendar quarters.** This change may make it slightly less advantageous to retire on any date other than the first of a calendar quarter.

Questions regarding any of these changes should be directed to the Employee Benefits Division of the Office of Personnel Administration, Room 133 Willard Bldg.

Staff vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (Voice) or 814-865-1387). Applications for these staff vacancies will be accepted until **5 p.m., Feb. 25, 1976. Do not contact the area that has the vacancy.**

CAREER PLANNING AND PLACEMENT SPECIALIST — Capitol Campus

Responsible to the Coordinator, Career Planning and Placement, for assisting with the organizing of programs, developing working relationships with social and governmental agencies, students, faculty, etc., and administering the Career Planning and Placement Programs. Master's degree in administration, personnel, counseling, educational administration or related fields, or organized study in training or vocational education equivalent to the master's degree. Over two years and up to and including three years of directly related experience in business or government related activities.

SYSTEMS ANALYST, MANAGEMENT ENGINEERING — University Park

Analyze information needs for operations under the Vice President for Business and implement customer operated data processing solutions using time-sharing computers. Prepare complete operational documentation as well as data element dictionaries and recovery procedures. Evaluate new processing techniques or facilities as required. Bachelor's degree or equivalent required with emphasis on industrial, management or information systems, plus two to four years of experience with programming and implementation of business or engineering applications using modern data-processing techniques

Funding sources

For further information, call 865-1372

(215-1) The National Science Foundation is accepting applications for research and science education projects under the **Special Foreign Currency Program.** Included are overseas projects conducted jointly by U.S. and foreign scientists and humanists operated foreign projects. International travel for project development and meetings is also supported. Cooperative research is especially encouraged in the excess "U.S.-owned foreign currency" countries of Egypt, India and Pakistan. Contact the NSF Division of International Programs (202-632-5798) (Ref. C&U Reps. 2/2/76)

(215-2) Final regulations for **National Center for Health Services Research Grants** (CFT. 2, #199-3) have been issued by the Public Health Service. Grants are awarded to pay costs of planning, establishing and operating multidisciplinary centers to carry out research, evaluations and demonstrations in the health service field including: accessibility, financing, training, design and special emphasis areas. The earlier program deadline date was Dec. 1, 1975 (Ref. 41FR5225-31, 2/4/76)

(215-3) A program solicitation for **Policy Related Research on the Social Effects of Broadcast Television** has been issued by NSF/RANN to inform policy makers, the TV industry and the public about the effects of entertainment programming and advertising practices. Two categories of research may be proposed, original studies of views behavior and studies to review previous research to make it more useful. The closing date is April 15. (Ref. NSF 76-6)

(215-9) Proposed regulations for **Special Section 1115 Demonstration Projects** to improve the methods and techniques "for providing financial and medical assistance and related services designed to help needy persons achieve self support and care" have been issued by the DHEW Social and Rehabilitation Service. Included are methods to strengthen family life, prevent abuse of children and adults and reduce inappropriate institutional care. (Ref. 41FR5132-34, 2/4/76) (CFDA-13.766)

News briefs

Ambassador to speak

Ambassador Miguel Burelli Rivas, of Venezuela, will present an address, "The Future of the United States — Venezuelan Relations," at 7:30 p.m. Tuesday, March 9, in Room 101 Kern Graduate Bldg.

His presentation, open to the public, is one of a series of events planned for the Ambassador during a five-day visit to the campus, accompanied by Senora de Burelli Rivas and Dr. Felix Rossi, minister counsellor for petroleum effairs, and Senora Rossi.

Their visit includes meetings with Venezuelan students es well as University faculty and administrators.

Ambassador Burelli received his doctorate in political science from the University of the Andes, where he holds the title of dean of humanities, having also served as professor of humanities, economics and public international law.

He was a candidate for the presidency of Venezuela in 1968 and in the diplomatic field has served as secretary of the Embassy, Bogota, Colombia, and later as ambassador to Colombia; ambassador to Great Britain; and since 1973 ambassador to the United States.

He had served also as secretary of Embassy, United Nations. He was president of the organizing committee, Third Conference on Law of the Sea.

"Pa. 1776" price to rise

The $12.50 introductory price of "Pennsylvania 1776," the University's official Bicentennial book, will remain in effect until March 1. After that, the regular price will be $15. For faculty, staff and students, "Pennsylvania 1776" will still be available at the University Press, Room 215 Wagner Bldg., for $10 until March 1. Subsequently, the price will be $12, reflecting the standard 20 percent discount on all Press titles. The book is available at many bookstores as well es at the Press office.

Medical claims due date

March 31, 1976, is the last date on which the Employee Benefits Division will accept charges for a 1975 major medical claim from University employees or their dependents.

A major medical claim is established once an employee reports $100 of eligible out-of-pocket medical expenses during the claim year period of January through December. If a major medical claim was not established in 1974 but charges were incurred in October, November or December of that year, these charges may also be included in the reporting of expenses for a 1975 claim.

Claim forms and other information on how to report major medical expenses are available at the Employee Benefits Division, Room 1, Shortlidge Bldg., the Business Offices at the Commonwealth Campuses and the Personnel Office at the Hershey Medical Center.

Next INTERCOM March 11

INTERCOM will not be published during term break. The next Issue, which will appear March 11, will Include the spring term calender. Any last minute items for the calender should be sent immediately to Room 312 Old Main, 865-7517.

Cafeterias open

A be reminder that the HUB Terrace Room will be open for lunch during term break, March 1-5, from 11:30 a.m. to 1:15 p.m. The cafeteria will be closed Feb. 26 and 29 and March 6, reopening on a regular schedule with lunch March 7. Kern Cafeteria will be open from 7:30 a.m. to 2 p.m., March 1-5.

Health center dedicated

Penn State's Evelyn G. Frederick Health Center, the first rural health care facility to be operated by a Pennsylvania university medical center, was formally dedicated last month. The $1.5 million model ambulatory health care facility is designed to respond to the need for providing health care in Upper Dauphin County and adjacent areas, while serving as an educational unit to train family physicians and other health care personnel for delivering medical care in small towns end rural areas. It was built with funds from the Howard G. Frederick estate and $842,000 in Hill-Burton

(Continued on page two)

PENN STATE
intercom
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University Faculty Senate report

Remedial courses

The University Faculty Senate's Special Committee on Developmental Year Program has been conducting a thorough review of the program as well es considering the broader area of remediation within the University.

With a view to providing supportive services necessary to the instructional needs of entering students, and at the same time maintaining and hoping to strengthen the traditional academic quality of the undergraduate program, the committee, chaired by Thomas E. Daubert, has made the following policy and implementing recommendations. They will be acted on at the March 2 Senate meeting.

Policy Recommendations

1. The faculty of the University as represented by the University Faculty Senate affirms its belief in the need for remedial courses to be offered by the University in the areas of basic mathematics, writing and reading. (These courses should serve the purpose of eliminating the weaknesses of students entering college in order (1) to aid the student in later courses taken in the University and (2) to prepare students for everyday life in society.)

2. All entering degree-seeking students, except those rendered exempt by prior college-level study in the particular skills area, shall be tested in the areas of English, basic mathematics and reading. If a student's score indicates that a remedial course is necessary, the student will be required to remove the designated deficiency as early In the student's program as possible. Although removal of deficiencies may be prerequisite to taking courses required to meet the University baccalaureate degree requirements, the courses used for this purpose will not satisty or modity these requirements.

3. A second-level examination in the three basic skills areas should be established. This examination would be taken by all students before the end of the junior year. If as a result of these examinations, a student showed a deficiency, the student would be required to eliminate it prior to certification for graduation.

4. The Developmental Year Program as it presently exists should be terminated at the time a broader program is initiated. (A target date recommended is summer or fall, 1977.) It is intended that the expansion of remedial courses will serve not only the students now served by the Developmental Year Program, but all students needing such instruction. The non-academic support currently available to EDP students by the EDP Office and the non-academic support currently available to the veterans by the Veterans Affairs Office will be continued.

5. Remedial courses should be offered by the discipline involved (Ie., the Mathematics Department for remedial mathematics, the Englfsh Department for remedial English, and the Developmental and Remedial Reading group of the College of Education for remedial reading).

Collateral Implementing Recommendations

6. The Vice President for Undergraduate Studies, the Administrative Council on Undergraduate Instruction, and the Senate Committee on Curricular Affairs should develop a numbering and accounting system for remedial courses which will allow a student to receive necessary financial support but will not permit remedial course credits to fulfill any requirements of a baccalaureate or associate degree.

7. The Senate should approve a grading system for remedial courses which will provide incentives for students to do well, and yet which will not be recorded in the cumulative grade point average.

8. The administration of the University should provide financial support for the department(s) offering remedial courses. Remedial courses of necessity can be taught only in small sections by highly skilled instructors (which in general would not include graduate assistants) and will require substantial monetary support which must be provided by all departments of the University and not just by the departments offering such courses. The money previously allocated to the Developmental Year Program could provide a portion of this support. Additional monetary resources will need to be reallocated, although tuition payments alone will provide most of the required finances.

9 All University faculty should assumo responsibility for maintaining students' competence in writing, reading and mathematical skills in all courses taught.

10. The Vice President for Undergraduate Studies, in cooperation with the various academic units and with the support of the appropriate research office, should conduct a research program into the remedial program including courses, students, faculty and outcome. At least annual reports should be made to the administration and to the University Faculty Senate. Provisions should be made for disseminating information to appropriate secondary education officials in the areas from which the University draws students.

Double majors

At the March 2 meeting of the University Faculty Senate, the Senate Committee on Undergraduate Instruction will make recommendations on revision of policies on multiple degree programs and double majors. The current policies were originally passed in the 1950s and last revised in 1966.

In its study, the committee found that the only reel difference between double majors and simultaneous degrees is that a double major Is possible without acquiring the 30 additional credits required for a simultaneous degree. The committee believes that to acquire more than one academically viable major additional work should be required Thus, double major programs should be phased out end replaced by simultaneous degrees where desirable.

The committee also found academic merit in establishing e mechanism for allowing simultaneous degrees for associate degree programs.

It recommends that Policy 92-00, Multiple Degree Programs, be repleced by the following policies.

60-00 Simultaneous Degree Programs

Definition — A simultaneous degree program is a combination of two majors which combine two distinct fields where an unusual combination of background and breadth is desired by the candidate. Such an integrated program of study cannot combine a general major and a departmental major within the same college.

A degree candidate may undertake a program leading to two baccalaureate or associate degrees under the conditions listed below tor each type degree. More than two simultaneous degrees are not allowed.

60-20 Simultaneous Baccalaureate Degrees

1. Candidates must have at leest a 2.50 cumulative grade point average end be at least fourth-term standing and at most ninth-term standing when making application for such a program.

2. Any application must be approved by the program heads and dean(s) involved. If approved, an adviser will be assigned by each program.

3. Major, college, and University baccalaureate degree requirements in effect at the time of admission to each program must be met for each major and degree.

4. A candidate for simultaneous degrees must earn a minimum of 30 credits above the number of credits required for the degree with the lower total credit requirement.

60-50 Simultaneous Associate Degrees

1 Candidates must have et least a 2.50 cumulative grade point average and be et leest third-term standing end at most fifth-term standing when making application for such a program. Only degrees of Type I are eligible.

2. Any application must be approved by the program heads and dean(s) involved. It approved, an adviser will be assigned by each program.

3. Major, college, and University associate degree requirements in effect at the time of admission to each program must be met for each major and degree.

4. A candidate for simultaneous degrees must earn e minimum of 15 credits above the number of credits required for the degree with the lower total credit requirement.

60-80 Special Programs

Students enrolled in special simultaneous degree programs (such es the Liberal Arts-Engineering program) approved by the University Faculty Senate are exempt from sections 60-20 and 60-50 and instead are held to the particular requirements of the approved special programs.

92-00 Simultaneous Degrees

Candidates completing programs under Policy 60-00 shall receive two diplomas, one for each degree program.

61-00 Sequential Degree Programs

A graduate of the University desiring to acquire a second baccalaureate or associate degree shall be required to apply for readmission with advanced standing under the policies of Section 56-00. If admitted, the candidate shall be required to fulfill the major, college and University requirements for the second degree program end earn e minimum of 30 credits for the baccalaureate degree or 15 credits tor the associate degree.

The committee recommends that Policy 95-00, Double Majors, be phased out and unavailable to students admitted for summer term, 1976, and thereafter.

New rules set for drop-adds

A new rule on the dropping and adding of courses by undergraduate students at the University will be implemented effective with the spring term, 1976.

Under the rule, which was changed at the Nov. 11, 1975, meeting of the University Faculty Senate, a student may add e course during the first ten calendar days of the term and may drop a course during the first 21 calendar days of the term In accordance with procedures of the student's college or the Division of Undergraduate Studies.

Beginning with the 22nd day and ending on the last day of the eighth week, a student may, In accordance with procedures of the student's college or the

(Continued on page two)

PENN STATE COLLECTION

Calendar
Feb. 26–March 11

Special events
Friday, Feb. 27
Sports: Wrestling, EWL Tournament, 8 p.m., Rec Bldg.
Saturday, Feb. 28
Sports: Wrestling, EWL Tournament, semi-finals, 2 p.m.; finals, 7 p.m., Rec Bldg. Men's swimming, vs. St. Bonaventure, 2 p.m.
Thursday, March 11
Sports: 1976 Eastern Intercollegiate Swimming and Diving Championships, trials at noon; finals, 4 p.m.

University schedule
Thursday, Feb. 26-Saturday, Feb. 28
Final examinations.
Saturday, March 6
Commencement, 10:30 a.m., Rec Bldg.
Tuesday-Wednesday, March 9-10
Registration for Spring Term, Intramural Bldg.
Thursday, March 11
Preregistration for Summer Term.

Lecture
Tuesday, March 9
Ambassador Miguel Burelli Rivas on "The Future of the United States-Venezuelan Relations," 7:30 p.m., Room 101 Kein.

Meetings
Tuesday, March 2
College of Agriculture, 4 p.m., Rooms A and B, Ag. Administration.
Wednesday, March 3
College of Earth and Mineral Sciences, 4 p.m., Room 26 Mineral Sciences.

Seminars
Thursday, Feb. 26
Biochemistry, 4 p.m., Room 101 Althouse. Nancy Schiedel on "Oxidative Titrations of Cytochrome c."
Thursday, March 4
Computation Center, 11 a.m., Room 101 Althouse. Dr. Paul A. D. DeMaine, computer science, on "An Overview of the Scientific Date Reduction Problem."

Exhibits
Museum of Art: Recent Sculptures by John Cook. Hugo Weber: A Retrospective Exhibit.
Chambers Gallery: Women in Art-Invitational, all media, opening March 8.
Kern Gallery: Lenny Sommese, photography, opening Feb. 28.
HUB Gallery: Penn State Room Exhibit honoring the dedication of the HUB addition, lobby. 26 paintings by Nabil El-Husseine.
Room 212A Arts Bldg.: Wayne Lazorik, photography, Tuesdays and Thursdays, 1-5 p.m.

Staff vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 863-1347 (between the 475-1347). Applications for these staff vacancies will be accepted until **5 p.m., March 4, 1976. Do not contact the area that has the vacancy.**

PROGRAMMER/ANALYST, COLLEGE OF AGRICULTURE — University Park

Responsible to the Manager of Data Processing and Financial Services for assistance in the solution of complex data processing problems related to area research projects and for supervision of office staff. Supervise the work of Junior Programmers. Confer with project personnel to determine the objectives of the study, anticipated results, degree of confidentiality and use of project data. Advise researchers in the design of survey forms, types of sampling plans and time requirements. Develop new computer programs and upgrade, maintain and adapt existing programs. Advise and assist researchers in the efficient execution and the debugging of programs developed by researchers. A bachelor's degree or equivalent with a major in mathematics, statistics or computer science and from two to four years of directly related experience is required.

PROGRAMMER, MANAGEMENT ENGINEERING — University Park

Using interactive techniques, develop or modify programs, systems and document programs for on-line applications. Assist in the diagnosis and correction of problems in operational programs. Prepare operational documentation for customer operated systems. Bachelor's degree in a technical or business field or equivalent training in computer programming and two years of experience with modern data processing techniques.

DIRECTOR, AUDIO VISUAL SERVICE, CONTINUING EDUCATION — University Park

Responsible to the Vice President for Continuing Education for the administration, long-range planning, development, implementation, and day-to-day operation of the Audio Visual Service Department. Doctoral degree or equivalent in adult education, instructional materials, educational technology and/or systems communications or related areas with over five and up to seven years directly related experience in audio visual services operations

ADMINISTRATIVE ASSISTANT FOR ACADEMIC SERVICES — Gohrand College

Responsible to the assistant dean for undergraduate studies for all student records and registration operations, for preparation of course schedules and for a variety of admissions operations. The position involves supervision of the Records Office, staff, and contact with students as well as with faculty and staff. Bachelor's degree or equivalent required and two to four years of directly related experience.

AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER

Funding sources

For further information, call 865-1372

(216-1) Educational television proposals for the Office of Education have on April 19 deadline. OE also issued guidelines for this ESAA-TV Program including scope, objectives, program distribution and pilot production. (Ref 41FR6111-14, 2/11/76) (CFDA 13.500)

(216-2) Regulations for the **Women's Educational Equity Act Program** have been issued by the Office of Education, which also announces a March 22 deadline for receipt of preapplications for general grants. Small grants ($15,000) will be assigned a later deadline date as will procurement contracts. General projects are to be organized around elimination of sex discrimination in educational programs and curricula and achievement of institutional responsiveness. Capacity-building projects must produce exemplary results usable by organizations other than the award recipient. Model projects must focus on systemic change, institutional change and supplementary activities for individuals. Projects may also include development and dissemination of educational materials; training and counseling; research and development, and continuing, vocational, career and physical education. (Ref 41FR6419-44, 6/26, 2/12/76) (CFDA 13.965)

(216-3) The National Endowment for the Arts has issued program solicitations and deadlines under **nine project categories.** These are: 1) feasibility study for an economic data program on the condition of arts and cultural institutions, April 6; 2) consumer demand analysis for arts and cultural services for the South, May 4, 4) analyses of economic impact of arts activities and cultural institutions on their communities, May 4, 5) planning study for a national survey of the visual arts, March 15; 6) planning study for a national survey of arts and cultural programming on commercial and public radio and television, March 5; 7) critical review and evaluation of audience studies of museums and performing arts organizations, May 4, 8) pilot study of education, training and careers of symphony orchestra musicians, April 6, 9) estimate of needs for musical directors and managing directors for American orchestras, April 6. (Ref NEA Solicitation)

(216-4) The Rockefeller Foundation and The Ford Foundation jointly announce **A Research Program on Population and Development Policy.** Not a graduate fellowship program, it is open to researchers at various career levels including junior scholars and graduate students. Many illustrative research areas are listed. The project period would be from about Jan 1, 1977, for two years. Awards will not exceed $30,000. Closing date is April 1, with a December, 1976, announcement later. (Ref. Announcement)

(216-5) The PHS Health Resources Administration announces that application materials are available for the second designation cycle in OHEW regional offices to entities interested in **designation as a health systems agency** (HSA) under the National Health Planning and Resources Development Act of 1974 (PL93-641). The goal is to provide planning and promote development of services, manpower and facilities in their area. Although letters of intent were required by Feb. 24, those received up to April 16 will be considered (Ref. 41FR6305, 2/12/76)

Appointments

William W. Asbury

William W. Asbury, director of human resource utilization at Kent State University for the past two years, has been named affirmative action officer and assistant to the provost at the University, effective June 1.

As affirmative action officer, he will succeed Dr. Patricia Farrell, who held the position from 1973 until last fall, when she chose to return to her duties as associate professor of recreation and parks.

In announcing the appointment, Provost Russell E. Larson explained that the Affirmative Action Office has the responsibility for keeping abreast of state and federal regulations concerning equal opportunities and disseminating them throughout the University. It also monitors University personnel actions to make sure they are consistent with the commitment of the University in the matter of affirmative action policies as they pertain to minorities and women.

At Kent State, Mr. Asbury held responsibility for administering the Affirmative Action and Equal Employment Opportunity Programs.

From 1970 to 1974, he was contract compliance officer for the city of Akron, O., administering the city's Equal Employment Opportunity program on public contracts. Earlier, he had been a senior consultant with the employment agency, Sanford Rose Associates, of Akron.

He played professional football from 1966 to 1969 with the Pittsburgh Steelers.

Formerly from Cincinnati, O., Mr. Asbury attended Kent State where he received his B.A. in sociology and anthropology in 1966, and in 1973, his M.A. in sociology.

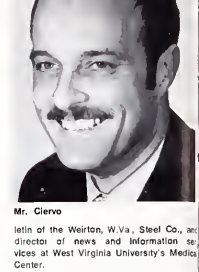
Arthur V. Ciervo

Arthur V. Ciervo, director of public relations at Georgetown University, has been named director of public information and relations at the University, effective March 1.

He succeeds Dixon Johnson, who held the position from 1962 until his death in 1974.

A native of Richeyville, Pa., Mr. Ciervo, who is 46, served six years in the U.S. Air Force. His B.S. in journalism was granted by West Virginia University and his M.A. in communications by American University.

Mr. Ciervo began his journalistic career as a reporter and photographer with the Brownsville, Pa., "Telegraph," and then worked for three years as a staff reporter at the Philadelphia and Pittsburgh bureaus of the Associated Press. He was an associate editor of the Employees Bul-



Mr. Ciervo

letin of the Weirton, W.Va., Steel Co., and director of news and information services at West Virginia University's Medical Center.

After serving as a medical-science writer at Georgetown from 1966 to 1968, Mr. Ciervo was named to his present position. He has also been a lecturer at American University in public relations, mass media and society, advanced feature writing and publicity writing. As a free lance writer he has written extensively for magazines.

William D. Moir

William D. Moir has been named contract negotiator and coordinator at the University, effective March 1.

He will succeed Ralph E. Montgomery, who plans to retire from the University staff after 33 years of service.

Mr. Moir has been assistant to the contract negotiator and coordinator since 1963. He joined the staff in 1956 as a research assistant in the Department of Engineering Research in the College of Engineering and from 1957 to 1963 he was an accountant in the office of the controller.

He served with the U.S. Navy in the Submarine Service from 1948 to 1952.

Mr. Moir is a Penn State alumnus, having earned the bachelor of science degree in business management in 1957.

News in brief

(Continued from page one)

program funds received from the Department of Health, Education and Welfare. It is named in memory of Mr. Frederick's daughter.

Pattee space available

Members of the faculty who wish to obtain "Study Space Assignments" in Pattee Library for the spring term should note that the assignments will be made on a first-come, first-served basis Monday, March 8, beginning at 7:45 a.m. in Room 106 Central Pattee. There are only 38 such spaces. Further questions should be directed to Cordella Swinton, 865-5420.

Retired staff to meet

The Penn State Retired Staff Club will hold its 175th meeting at 7:30 p.m. on Thursday, March 11, at the St. Andrew's Episcopal Church Parish Life Center, State College. Dr. Harold Dickson, professor emeritus of art history, will discuss the upcoming Bicentennial art exhibit at the University, "Portraits USA — 1776-1976." Reservations, which must be in by March 8, can be made by calling Mr. and Mrs. Ralph Nielson, 238-0954. New members are welcome.

New nature program

A year-round nature center program for age groups ranging from pre-schoolers to senior citizens is being started at the University's Stone Valley Recreation Area.

Developed under the auspices of the Department of Perks and Recreation, the new Shavers Creek Nature Center is being directed by instructor Corky Potter. An interpretive day program, it is designed to complement the previously established student program at Stone Valley. All events will be held at the Mineral Industries Bldg. at Stone Valley, with outdoor programs leaving from there.

A family film festival is planned for succeeding Sundays. "Birch Bark Canoe Builder," "The Maple Sugar Farmer" and "Beaver Valley" are to be screened Feb. 29, and on March 7 families can view "Jane Goodall and the Wild Chimpanzees," "Nature's Half Acre" and "The Wonderful World

Other upcoming events include a winter ecology walk Sunday, March 14, at 3 p.m. and on Sunday, March 21, from 1 to 3 p.m. a demonstration of maple sugaring fo show how the sap is tapped and boiled into syrup or candy. At 2 p.m., also on March 21, visitors will take a guided hike through the woods to discover old homestead sites, graveyards, charcoal mounds and an iron furnace. Finally, on Sunday, March 28, at 2 p.m. there will be an indoor house plant workshop, conducted by Tig Burnett of Hillside Gardens, Boalsburg.

Later on in the spring, there will be bird walks and a spring wildflower walk.

Programs will be free of charge with Saturday, April 17. After that date, a general parking fee of 50 cents per vehicle will be collected at the gate of the public Upparking lot.

Drop-add rules

(Continued from page one)

Division of Undergraduate Studies, drop a course, but e WP (Passing) or WF (Failing) or WN (No Grade) symbol will be entered on his academic record and transcript.

The rule stipulates that no student may drop a course after the last day of the eighth week of the term for any reason.

Hermanowicz named

Dr. Henry J. Hermanowicz, dean of the College of Education, has been named president-elect of the American Association of Colleges for Teacher Education (AACTE). He will assume his duties at the Feb. 25-28 annual meeting in Chicago, Ill., of the association, which consists of more than 860 collegiate institutions in the United States, Guam and Puerto Rico. A member of the AACTE Board of Directors, Dr. Hermanowicz is a past chairman of the Committee on Studies and a member of the Commission on Standards. He also served as president of the Illinois ACTE.

PENN STATE intercom

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An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

Berks hosts series

In observance of the Bicentennial, Berks Campus and the Wyomissing Institute of Fine Arts are co-sponsoring a four-part lecture series, "The Native American: Indian Art and Culture." The lectures are scheduled March 17 and 31 and April 7 at 8 p.m. at Berks. (The first lecture was presented yesterday, March 10.)

Dr. Frederick J. Dockstader, director emeritus of the Museum of the American Indian, Heye Foundation, will speak on "Three Hundred Years of Indian Art" on March 17. He will be followed March 31 by Dr. William Powers, acting chairman of the department of anthropology at Livingston College, Rutgers University. His topic is "Contemporary Music and Dance." The last lecture on April 7 will be given by John Witthoft, associate professor in the department of anthropology at the University of Pennsylvania. He will speak on "American Indian World View and Philosophy" and will provide insights into Indian folklore, religion and mythology.

An exhibit of Indian artifacts from the University of Pennsylvania is on display through April 9 at Berks in conjunction with the lecture series.

Soil test kits available

With gardening season almost at hand, the College of Agriculture's Soil Testing Laboratory reminds faculty and staff that proper soil acidity and fertility are crucial to the success of gardens and lawns. University Park personnel interested in determining correct acidity and fertility levels for their yards may obtain a soil-sample mailing kit at the lab. (It is located in the northeast corner of the campus near the old orchards. Immediately after turning right off Fox Hollow Road on the road to Mountainview Hospital, it's the second building on the left and is open from 8 a.m. to noon and from 12:30 to 4:30 p.m.) At locations other than University Park, kits are available from county Ag Extension Services. A fee of $3 is charged to cover program costs. The kit contains instructions on how to take a correct sampling, a soil information sheet and a container in which to send the sample to the laboratory. Eight to 12 days are needed to process a complete report, which includes a balanced lime and fertilizer recommendation prepared by a crop specialist.

Marathon swimmers wanted

The Annual Faculty-Staff-Grad Student Swim Marathon will be held Saturday, Mar. 27, at the Natatorium, beginning at 7 a.m., when 25 participants will each swim one mile in an all day relay sponsored by the Penn State Aquatics Program. Last year's group swam the distance in 14 hours, 51 minutes, 21.1 seconds. The fastest time was 14 hours, 17 minutes, 1.5 seconds, established in 1974. Any member of the faculty or staff or any graduate student may volunteer to participate as a swimmer, timer or lap counter. Contact Dave Gustine, 237-7683, or Sid Bernard, 865-5491, to enter an application.

Anyone for volleyball?

The Intramural Office (in the new Intramural Bldg.) will take entries for Volleyball and Handball Singles from Monday, March 15, until Thursday, March 18, at 4:30 p.m. All male members of the University community (undergraduate and graduate students, staff and faculty) are eligible to participate in these sports.

Senate election schedule

The University Faculty Senate has approved the following schedule for Senate elections.

The elections began by voting unit this month. Election results are due no later than seven days after the April meeting of the Senate, which this year is scheduled for April 13.

The Senate electorate includes all professional ranks, all full-time instructors, all librarian ranks and all research ranks except non-continuing. Those pursuing a degree at Penn State are not members of the electorate.

According to Martha A. Adams, chairman of the Senate Elections Commission, every member of the Senate electorate must have the opportunity to be nominated and to vote. There must be at least two nominees for every Senate seat

Guatemalan relief drive

A Penn State Steering Committee has been organized to assist the American Red Cross in a special collection for Guatemalan disaster relief in the wake of the recent earthquake there. The collection is taking place the first week of this term. Faculty members of the committee are Dr. Jose Mendez, professor of health and applied physiology, chairman; Dr. Michael P. Hottenstein, professor of management; and Dr. John D. Daniels, associate professor of business administration.

3,045 gifts reported

The Office of Gifts and Endowments reports that 3,045 gifts totaling $779,004.02 were received by the University during January of this year. This brings the total of the current fiscal year to 12,589 gifts and $3,046,393.68. Of the latter amount, $947,210.53 was contributed by alumni; $457,534.43 by friends; $996,214.56 by corporations and businesses; $371,513.75 by foundations; and $373,911.41 by organizations. By the end of January, 1975, the University had received 10,158 gifts for a total of $3,106,609.09.

Winter 'JGE' out

The winter issue of "The Journal of General Education," published by Penn State's Press, concentrates on fiction and other imaginative works of major influence, past and present. Penn State contributors include W. T. Jewkes, professor of English, writing on "Mental Fight: Northrop Frye and the Teaching of Literature"; a poem by Jack McManis, assistant professor of English; and an article by Warren S. Smith, director of general education In the arts, titled "Ot Hoty Ambiguity."

Journel editors Caroline D. Eckhardt, assistant professor of English and comperative literature, and Robert B. Eckhordt, assistant professor of anthropology, invite readers to submit papers for a special fall JGE issue commemorating America's Bicentennial. Suitable topics include the status of educationel institutions, programs and academic disciplines at the time of the Revolution, the impact of the Revolution on American education and other subjects concerning 18th century education, arts and letters. Papers should be received by Aprll 1. An issue on innovation in higher education is planned for winter, 1977, with submissions due Aug. 1.

Nominations for provost asked

The Search Committee for a new provost at the University is seeking additional nominations from the faculty and staff.

Dr. Russell E. Larson, current provost of the University, has announced his plans to retire Jan. 1, 1977.

The provost, as chief academic officer and deputy chief administrator, is responsible to the president of the University for administration of the institution's instructional, research and public service programs.

Dr. John J. Coyle, Search Committee chairman, said candidates should have an established national reputation and an outstanding record of accomplishments as scholars, teachers, and administrators. Preferred qualifications for the position include significant experience in college and university teaching and administration.

Individuals should have an understanding of the functions, missions and goals of a large, multi-campus, land-grant university and must have a commitment to programs of equal opportunity and affirmative action. They also must heve the proven ability to communicate well with the University community and the public.

Nominations should be sent to Dr. Coyle at 201 Old Main.

'Radiothon' on air

A charity "radiothon," featuring radio hits from the 1940s, will be aired from 2 to 11 p.m. Sunday, March 14, on WDFM, the student radio station at the University. The broadcast, to originate from the new lounge at the HUB, will raise money for the Four Diamonds Fund, a charity coordinated at the Hershey Medical Center for the care and treatment of children with cancer.

The event is sponsored by WDFM and the Office of Student Affairs.

The broadcast — "Some Sunday" — will include radio shows popular in the 1940s, introduced by University and civic leaders. Telephones set up at the HUB will be manned with volunteers who will take pledges. The number to call with pledges is 238-3000. People are also encouraged to stop at the HUB to watch the activities, which will include e live drama. Donations can also be made at the HUB. The Phi Mu Alpha Jazz Band will play the "big band sounds" in the HUB ballroom from 8 to 11 p.m.

The Four Diamonds Fund was established by the University's Board of Trustees to provide relief from extraordinary financial burdens for the families of children with cancer who receive care and treatment at Hershey.

The fund was suggested by the parents of Christopher M. Millard, a young man who died ot cencer in 1972 soon etter his 14th birthday. The name of the fund is taken from the title of an essay Chris wrote that year. It will be read as part of the radio show.

The schedule for "Some Sundey" is:

2-2:30 — Sherlock Holmes; 2:30 to 3 — Fibber McGee and Molly; 3-3:30 — a reading of Christopher Millard's essay and Tom Mix; 3:30-4 — the Green Hornet; 4-4 30 — "live" drama; 4:30-5 — Jack Armstrong; 5-5 — War of the Worlds; 6-6:30 — Great Gildersleeve; 6:30-7 — Sgt. Preston of the Yukon, Bill Stern's Sports Newsreel; 7-7:30 — The Shadow; 7:30-8 — Lum and Abner; 8-8:30 — Phi Mu Alpha Band; 8:30-9 — Little Orphan Annie, Charlie Chan; 9-9:30 —Phi Mu Alpha Band; 9:30-10 — Eddie Cantor; 10-11 — Phi Mu Alpha Bend and Flash Gordon.

Middle States evaluation team to visit

An 18-member evaluation team from the Middle States Association of Colleges and Secondary Schools will visit Penn State April 4-8.

The team will be chaired by G. Bruce Dearing, vice chancellor for academic programs of the State University of New York.

Focus on planning

According to Dr. Dearing, the Penn State visit will be unlike conventional evaluations in that it will focus on planning procedures within the University rather than on its academic offerings.

The evaluation process will be concentrated on four major areas: (1) the undergraduate and graduate programs review process, (2) implementation of the 1972 Academic Policy Plan, (3) the Commonwealth Campus Planning process, and (4) review of recent efforts to strengthen faculty participation in University governance.

Team to travel

The team will use University Park as its base but will travel to other campuses to consult with faculty, administration and students there. Its itinerery includes Behrend College, Hershey, King of Prussia, Capitol Campus, Beaver, Hazleton, York and Ogontz. The last four campuses will serve as central meeting points for representatives of all the Commonweelth Campuses so that the evaluation team can telk to persons from every part of the University system.

Other members of the evaluation team are Robert A. Bernes, director of the Newark Campus, Ohio State University; W. Donald Bowles, professor of economics, The American University; John C. Buhner, vice chancellor and dean of the faculties, Indiana University-Purdue University; Richerd D. Challener, professor and chairmen of the department of history, Princeton University; Lavinia H. Cresciani, vice president for academic effairs, Inter-American University of Puerto Rico; Irving Engelson, vice president for Instruction, Union County Technicel Institute, Scotch Plains, N.J.; Morris A. Gelfand, chairmen of the library science department, Queens College of CUNY.

Committee members

Also Louise M. Helm, professor and chairperson of the division of biological sciences, County College of Morris, Dover, N.J.; David C. Knapp, provost of Cornell University; Anthony D. Knerr, vice chancellor for budget and planning at CUNY; Elmer J. Kuhn, dean of arts and sciences, Prince George's Community College, Largo, Md.; Thomas Mou, provost for health sciences, SUNY; Robert R. Rayma, dean of the graduate school of arts and sciences, New York University; James J. Ross, director at residence life, SUNY College at Buffalo; William L. Thomas Jr., vice chancellor for student affairs, University of Maryland; John R. Toll, president, SUNY at Stony Brook; and Richard E. Wilson, vice president tor programs, American Association of Community and Junior Colleges.

Working with the team will be George Marshall, assistant commissioner for tiscal and administrative management of Pennsylvania's Department of Higher Education.

PENN STATE COLLECTION

Faculty notes

Faculty Research Fellowship grants awarded by the Institute for the Arts and Humanistic Studies for the 1976 summer and fall terms have been announced.

Recipients from the College of the Liberel Arts are:

John A. Baleban, assistent professor of English, for creative work in poetry;

Dr. Donald E. Buckalew, associate professor of English, for e translation and critical study of AEIrfic's Letin-Old English "Grammer" and "Glossery";

Dr. Fred D. Crawford, assistent professor of English (Behrend College), for research and study of the influence of T. S. Eliot's "The Weste Lend" on the modern English novel;

Dr. Roslyn Gfazerman, assistant professor of religious studies, for the Art of "Faust": Religion and Aesthetics in Goethe, Schumann, Gounod and Mann; and

Dr. Joanne Trautmann, associate professor of humanities and English (Hershey), for continuing research end editing of "The Letters of Virginie Woolf."

Seven recipients were selected from the College of Arts and Architecture:

William H. Allison, professor of theatre orts, for trevel and maintenance to Hver, Yugoslevie, for research on the "Theatre Over the Arsenal";

James D. Benshoot, assistent professor of music, tor location, review and evelueation of contemporary brass ensemble music;

Philip Dettra, assistent professor of music, for support of an intensive pleno practice-study period under the guidence of Paul Doguereau;

Doris Hetzel, instructor in film, for preliminery research for a 16mm, 60-minute drametic film on the life and ideas of Gifford Pinchot;

Danial R. Jones, assistent professor of landscape architecture, for "A Survey of Living Historic Districts': A Contirmeation of their Exclusive In Working Class Cities, and en Investigation of their qualities";

Richard F. Rosine, assistent professor of landscape architecture, for "Requirements, Guidelines and Prototypical Design Solutions of Recreational Facilities for the Mentelly Relorded"; and

Lanny B. Sommese, associate professor of ert, for further research to provide the basic information necessery for ultimately designing e totel packeging system for the tour basic types of hazardous products.

Dr. Alan E. Kazdin, associate professor of psychology, has been ewarded e fellowship in behevlor therapy study by the Center for Advenced Study in the Behavior Sciences in Palo, Alto, Cal. A clinical psychologist, Dr. Kazdin is the author of "Behevior Modification in Applied Settings" and co-author of "Introduction to Behavior Modification." His fellowship will begin Sept. 1.

Dr. S. M. Farouq-Ali, professor of petroleum and natural gas engineering, recently gave e number of invited talks releted to computer simuletion of petroleum recovery techniques. He spoke to employees of Standerd Oil Company of Californie on edvances in thermal oil recovery and gave a joint seminar for graduate students and faculty ot the University ot Californie at Berkeley end Stenford University on in situ combustion modelling. In Cenade, he telked on physicel modeling criteria under the sponsorship of the Research Council of Alberte. Also he recently presented a paper on "Comparative Evelueation of the Strongly Implicit Procedure" et a numerical simuletion symposium sponsored by the Society of Petroleum Engineers of the American Institute of Mining, Metallurgical and Petroleum Engineers in Los Angeles.

Dr. Roland H. Good Jr., professor and heed ot the Depertment of Physics, has been reappointed to a second term on the eight-member nominating committee ot the Americen Physicel Society. The committee nominetes candidetes for the post of chairman-elect of the Society end for oll committee assignments. A specialist in theoretical physics, Dr. Good is e Fellow ot the Society.

Dr. Donald J. Willower, professor of education, has been nemed acting head of the Division of Educetion Policy Studies in the College ot Educetion, effective Merch 1. Dr. Willower, who came to Penn Stete in 1959, holds three degrees from the University of Buffalo and taught there in both philosophy and educational administretion, He also was e Kellogg Fellow at the University of Oregon in educetional administration and the social sciences. He has served on e number of netional committees, including the Netional Commission for the Preperetion of Professional School Administrators of the Americen Association of School Administrators, and the Board of Trustees of the University Council for Educetionel Administration, of which he wes elso president. The UCEA is composed of the mejor universities in the United Stetes and Canada having graduate programs in educetional administration. His research has dealt with the school as en organization and with the theory-practice relationship in educetion. He is author or co-author of more then 75 published papers on these topics.

Dr. Gerard J. Brault, professor of French, has been elected e Fellow of the Medieeval Academy of America. The introduction ceremony will take plece at the Academy's annuel meeting this monih in New Orleans. Founded in 1925, the Academy has for its purpose the promotion of research, publication and instruction in all aspects of medlaeval civilization. Fellows are elected for life and their number is limited to 75. The honor is bestowed on scholars who have made notable contributions to the furthering of the Academy's purpose. Internationally known for his research in medieeval French language end literature and in mediaeval heraldry, Prof. Brault is the author of four books, more then 60 erticles, and numerous reviews in leeding Americen and Europeen learned journals. He recently completed a fifth book, en edition ot the "Song of Roland."

Dr. Theodore M. Hollis, associate professor ot biology, has been invited lo serve as chairman of the Atherosclerosis I session at the annual meeting of the Americen Institute of Nutrition meeting scheduled for April in Anaheim, Calif. He is elso co-author of two research papers to be presented at that meeting by graduate students Jack M. De Foreest and Ronald A. Markle, doctoral candidates in physiology. A member of the University faculty since 1969, Dr. Hollis directs e research program on the role of histamine metebolism in etherosclerosis, a contributing cause in 90 percent of all artery end heart disease, which each year claim more than twice as many lives es cancer.

Dr. Erwin W. Mueller, Evan Pugh Professor of Physics, has been named an honorary member of the Vacuum Society of India. The Society has only three honorary members. Dr. Mueller, who is a member of the National Academy of Sciences, and two past presidents of the Americen Vecuum Society, Dr. Mueller was honored for his invention of the field emission microscope, field-ion microscope and the atom probe, which also involved advances in vacuum techniques. He visited indie in 1972 and has had many graduate students from that country study with him et the University. He is also a member of the Americen Vecuum Society and received its first M. W. Welsh Gold Medal Award for outstanding current research in 1970.

Dr. H. R. Hardy Jr., professor of mining engineering and director of the University's Rock Mechanics Laboratory, recently gave three invited lectures in the area of his research specialty, ecoustic emission in geological structures. His talks were delivered ot the Los Alamos Scientific Laboratory and at Drexel University, where he presented the Keystone Lecture end a telk before the Drexel Chapter of Sigme Xi.

Dr. Joseph A. Dixon, professor and head of the Department of Chemistry, has been invited to serve on e review panel for the National Science Foundation. He will evaluete proposals submitted for funding under the Comprehensive Assistence to Undergraduete Science Educetion (CAUSE) Program.

Dr. Charles Craypo, associate professor of labor studies, testified Feb. 19 in Washington, D.C., before the Labor Management Retetions Subcommittee of the House of Representatives Committee on Educetion end Lebor. Dr. Craypo, e specialist in the eree of impact of corporete conglomeration on the collective bergeining process, submitted a 40-page report on Litton Industries as a repeet violetor of the Notional Labor Relations Act. The subcommillee is considering two pieces of legislation. One would allow triple damages for violations of the National Labor Relations Act, and the other would deny federal contracts to repeat violators.

Dr. Thomas F. Megner, associate dean for research and graduate study in the College of the Liberal Arts and professor of Slavic lenguages, has been grented en International Research end Exchenges Board travel fellowship for Yugoslevia from April through June. The board is sponsored by the Americen Council of Leerned Societies and the Social Science Research Council. Dean Magner's project while in Yugoslavie is entitled "Sociolinguistic Aspects of Dialect Mixture in the Spilt Region of Yugoslavia." He will spend most of his time in the city of Spilt, with visits to neighboring islands for study ot their distinctive dialects.

Lt. Col. Kert Schwenzleier, currently head gymnestics coach et the Unlted Stetes Air Force Academy, has been named an assistant professor in the College of Health, Physical Educetion and Recreetion and will succeed Elmer Mitchell as the director of Penn Stete's gymnastics program. Head coach of the United Stetes Olympic gymnastics team, Col. Schwenzfeler is e 1955 Penn State greduate and helped the Nittany Lions win two NCAA team titles. As an Air Force officer, he was an alternate on the 1956 United States Olympic teams. He spent six years flying Strategic Air Command aircreft end coached the Air Force Academy gymnestics team from 1964 to 1966 before volunteering for a year's tour in Vietnam. At Penn State, he will oversee both the men's and women's programs.

"The Contemporary Middle East: Conscience, Confirmation, and Conciliation" was the topic of a public lecture presented at Colby College by **Dr. Arthur Goldschmidt Jr.,** associate professor of history, last week. His talk was part of the Guy P. Gannett lecture series, which was established in 1963 to supplement Colby's regular academic program. Gennett lecturers also speak to classes and meet informelly with students and faculty. Dr. Goldschmidt hes studied, conducted tield research end taught in several Arab countries, Turkey and Israel. A member of the University faculty since 1965, he received the Class of 1933 Award for Outstending Contributions in the Field ot Humenities in 1972. He is currently chairman ot the Middle East Studies Committee.

Five faculty members from the College of Engineering have been honored for their work. Excellence in Teaching Awards consisting of certificates and $500 checks were presented to **Edward A. Dreisbach,** associate professor of engineering at the Wilkes-Berre Campus; **Dr. Jenninga H. Jones,** professor of chemistry; end **Dr. Robert H. Notter,** assistent professor of chemical engineering. The College's annual award for outstanding echievement is research went to **Dr. Philip D. Cady,** professor of civil engineering, and **Dr. John A. Brighton,** professor of mechanicel engineering, received the Outstanding Engineer Award of the Central Pennsylvania Section of the American Society of Mechenical Engineers.

Dr. Gerhard Reethof, professor of mechanical engineering, has been invited to participate in e panel discussion on science and technology at a workshop on "Priorilies for University Research," organized by the U.S. Department of Transportation, March 18-19, at the National Academy of Sciences, Washington, D.C. The workshop is being held in cooperation with the Committee on Transportation, Assembly of Engineering, National Research Council, which plens to issue a report on priorities for university research this summer.

Dr. Carl S. Keener, associate professor of botany, is one of eight biologists from across the country who have been invited to offer courses this summer at the University ot Virginia Mountain Lake Biological Station. His course is titled, "Taxonomy of Seed Plants." The Mountain Lake Biological Station, located in the Allegheny Mountains of southwestern Virginia, was established in 1930 as an inland field station for research and advanced training in field biology.

University presents revised '76-'77 appropriations bid

University officials appeared on Feb. 25 and March 1 before legislative committees in Harrisburg to present their request for a State appropriation of $116,711,000 for 1976-77.

President John W. Oswald and Dr. Harry Prystowsky, Hershey provost and dean, made the presentations before the Senate Committee with Sen. Henry J. Cientrani, of Philadelphia, as chairman; and before the House Committee with Rep. Amos K. Hutchinson, of Greensburg, serving as chairman in the absence of Rep. Stephen R. Wojdak, of Philadelphia, the chairmen.

The revised request is $2 million under the initial request for $118,711,000 submitted last September. The revised amount was made possible by increased income from a larger-than-anticipeted enrollment during the fall end winter terms and because of new adjustments in indirect cost reimbursement rates for Federal government contracts, which reflect the recent rapid escalation in staff benefits costs paid by the University.

The appropriation increase requested, which amounts to $14,003,000 or 13.6 percent over the $102,708,000 received for the current year, is based primerily on the need to provide for inflated costs; maintein tuition levels; provide for equitable salary adjustments; and meet mendeted State retirement and social security cosls, Dr. Oswald explained.

University officials also emphesized the need for an increase to $10,000 in the per capita appropriation for medical education. For the past five years the amouni has been $7,465, which, because of inflation emounting to 40 percent over four years, has steadily decreased in real value.

Noting that a major tuition increase, averaging 12.5 percent was made last fall, Dr. Oswald told the legislators he fears Penn State has been losing some of its ability to serve middle and lower middle income families, the people for whom the University, as a land-grant university, was founded.

He explained that in 1971, 44 percent of all Pennsylvania families had family incomes ranging from $6,000 to $12,000 and in the fall of 1971, 46 percent of the new freshmen entering Penn State came from families in that income category.

Because of rapid inflation, only 35 percent of Pennsylvania families were in the $6,000 to $12,000 income category by 1974 For the tall term, 1974, only 24 percent ot the freshmen admitted to Penn State were from that income category, a decline ot 22 percentage points in three years.

By contrast, the proportion of Penn Stete freshmen from families under $6,000 annuel income fell by only tour percentage points (from 11 percent to 7 percent) between 1971 and 1974. The proportion of Pennsylvania families with incomes under $6,000 declined by five percentage points (from 22 percent to 17 percent) during the same three-year period.

Fuller finenciel aid support in relation to need is evailable for students of lower income categories but not for students in the lower middle and middle income categories who nevertheless have substantial needs for finenciel assistence.

While legislators were generally complimentary about the job Penn State has been doing, they pointed out the financial problems the State elso feces with e proposed budget by the Governor that includes as revenue $47 million for which no source of income has yet been provided.

Governor Shepp proposed an appropriation of $108,730,000 for Penn Stete in his budget.

Spring Term 1976 Calendar
The Pennsylvania State University

Thursday, March 11
Classes begin.
Focus on Nutrition '76," sponsored by the Nutrition Information and Resources Center, 9 a.m. to 9 p.m., Room 112 Kern and lobby.
Ballet Library tour, 9, 10, 11 a.m. and 2, 3, 4, 7 p.m., lobby
How to See No to Rape and Survive," 7 p.m., Room 301 HUB. Sponsored by Panhellenic Council.

Friday, March 12
Focus on Nutrition '76," sponsored by the Nutrition Information and Resources Center, 9 a.m. to 5 p.m., Room 112 Kern and lobby.
Sports: Gymnastics, NCAA Regionals.
Marriage Enrichment" program, Dr. Gerhard Lenski, human development and sociology, on "Trends in the American Family," 8 p.m., Room 112 Kern.
Classics Series, Nikolais Dance Theatre, 8:30 p.m., University Auditorium.



Saturday, March 13
Sports: Gymnastics, NCAA Regionals, Women's fencing, vs. Indiana, Pa., and Cornell, 9 a.m.
Marriage Enrichment" program, 9:30 a.m.-5:30 p.m., Room 101 Kern. Panel discussions and seminars
Marriage Enrichment" evening social, 9 p.m., Room 102 Kern. Phi Mu Alpha Dance Band.
Classics Series, Nikolais Dance Theatre, 8:30 p.m., University Auditorium.

Sunday, March 14
Chapel Service, 11 a.m., Eisenhower Chapel. Christian Fellowship worship service, 11:15 a.m. Eisenhower Chapel. Pastor Gerald G. Lloyd, Black Christian Fellowship Mass Choir.
Late Registration, 1-10 p.m., HUB ballroom.
Arboretum, Creek Nature Center, Winter Ecology Walk, 3 p.m., Mineral Industries Building. Meeting
Marriage Enrichment" seminars, 1:30-5:30 p.m., Room 101 Kern.
Dr. Anne Zajot, violin, and Leonard Feldmen, cello, recital in conjunction with "Recent Works by Stuart Frost," 3 p.m., Museum of Art.

Week of March 15

Monday, March 15
Blue Key Side Club, 7 p.m., Room 112 Kern.
Program of Oriental Karate Demonstration, 7:30 p.m., HUB assembly room.

Tuesday, March 16
Professor Brooke, Univ. of Manchester, on "Policies and Strategies of European Multinational Companies," 12:45 p.m., Room 101 Ackhouse.
Lunar Pie, Archaeological Society lecture, Dr. Dennis Wertime, Smithsonian Institution, on "The Search for the Mystery of Phi: Early Bronze Age Metal-Working Industry in Israel and West," 6 p.m., Room 101 Carnegie.
Minor and Cadet Grading and the Setting Grading List — Location Boards and Individuals in Petites, 7 p.m., Room W110 Forum.
Black Council meeting, 7 p.m., Room 101 Kern.
Library talk by Stuart Frost, 10:30 a.m., Museum of Art.

Wednesday, March 17
Classics lecture, Dr. Fred Rapp, microbiology, Hershey Medical Center, on "Viruses, Sex and Cancer," 8 p.m., Room 05 Forum.
Film Classics film, "The Magnificent Ambersons," 8:30 p.m., University Auditorium.
Colleen Callahan-Dale, French horn, 8:30 p.m., Music Bldg. recital hall.

Thursday, March 18
Allen Elliott Invitational Conference, public lecture, Walter W. Heller, Regent's professor of Economics, University of Minnesota, on "The Economic Environment for Business," 10 a.m., auditorium, Hilliar Conference Center.

Friday, March 19
Classics Series, Mishe Dichter, pianist, 8:30 p.m., University Auditorium.
Walter Wells, baritone, and Paul Ferrone, piano, 8:30 p.m., Music Bldg recital hall.

Saturday, March 20
Sports: Ice Hockey, vs. University of Delaware (rematch), 7:30 p.m.
Faculty Club Dance, 8 p.m., Rooms 101 and 102 Kern.

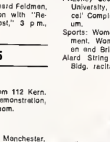
Sunday, March 21
Chapel Service, 11 a.m., Eisenhower Chapel. Ms. Mary E. Marks, sanitor, Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Elder Harold McKenzie, Children's Choir.
Shavers Creek Nature Center, Maple Sugaring, 1-3 p.m.; Historic Walk — Reading the Landscape, 3 p.m., Mineral Industries Bldg., Stone Valley.
David Billings, organ, 3:30 p.m., Music Bldg. recital hall.
Penn State and Ohio State Glee Clubs, 6:30 p.m., Music Bldg. recital hall.

Week of March 22

Monday, March 22
Priestley Lecture, Henry Taube, Stanford University, on "Intramolecular Electron Transfer," 6 p.m., Room 105 Forum.
Late registration deadline.
Add deadline
Phi Beta Kappa lecture, Dr. Wayne Andrews, art history, Wayne State University, on "The Age of Stanford White," 4 p.m., Room 112 Kern.
Jerome Pasto, assoc. dean College of Agriculture, racreates talk by Evan Pugh, 6 p.m., auditorium, Atherton.
Free Shakespeare film, "A Midsummer Night's Dream" (Diana Rigg, Peter Hall), 6:30 p.m., Room 162 Willard
Russel Shipley, clarinet, 6:30 p.m., Music Bldg. recital hall.
"Wolfgang Flohr," artist in residence, 8 a.m.-4 p.m., Kern lobby.
French Film Series, "Zero for Conduct," 7 and 9 p.m., Room 121 Kern.

Tuesday, March 23
Priestley Lecture, Henry Taube, Stanford University, on "Mixed Valence Complexes," 6 p.m., Room 105 Forum.
Sports: Woman's lacrosse, vs. Central Penn and Bald Eagle Valley, 3 p.m.
Jerome Pasto, assoc. dean College of Agriculture, recreates talk by Evan Pugh, 4 p.m., auditorium, Atherton.
Free Shakespeare film, "A Midsummer Night's Dream" (Diana Rigg, Peter Hall), 6:30 p.m., Room 162 Willard.
GSA Garden Plot Workshop, 7:30 p.m., Room 112 Kern.
Artists Series, Preservation Hall Jazz Band, 8:30 p.m., Recreation Bldg.

Wednesday, March 24
Priestley Lecture, Henry Taube, Stanford University, on "Back-Bonding in Classical Complexes," 8 p.m., Room 108 Forum.
Sports: Women's basketball, AIAW Tournament. Women's lacrosse, vs. Lock Haven and British Universities, 2 p.m.
Alard String Quartet, 8:30 p.m., Music Bldg. recital hall



Thursday, March 25
Priestley Lecture, Henry Taube, Stanford University, on "Manifestations of Back-Bonding in the Chemistry of Ruthenium and Osmium Ammines," 4 p.m., Room 108 Forum.
Sports: Women's basketball, AIAW Tournament.
Workers Day "Student-Trade Union Conference," 9 a.m.-5 p.m., HUB assembly room, HUB ballroom.

Friday, March 26
Sports: Women's basketball, AIAW Tournament.
Percussion Concert, 8:30 p.m., Music Bldg. recital hall.

Saturday, March 27
Sports: Women's basketball, AIAW Tournament Finals at 2, 4 and 7 p.m.
Annual Faculty-Staff-Grad Student Swim Marathon, beginning 7 a.m., Natatorium.
Faculty Women's Club social, 9 p.m., Room 102 Kern.
Hillel Foundation film, "Diary of Ann Frenk," 8 p.m., HUB assembly room.

Sunday, March 28
Chapel Service, 11 a.m., Eisenhower Chapel. A reflection through word, song and dance by Tanner, Coleman, Boyer and the University Chapel Choir.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Elder John Lloyd, Jr., Black Christian Fellowship Mass Choir.
Colloquy program, "White Roots of Peace: Tracing Our Indian Heritage," all day, 1st floor HUB.
The Hampton Institute Choir in Concert, 8 p.m., Schwab.
Shavers Creek Nature Center, Indoor House Plant Workshop, 3 p.m.; Mineral Industries Bldg., Stone Valley.
Katherine Kelle, oboe, 3:30 p.m., Music Bldg. recital hall.
PSU Gifts and Endowments Telathon, 6 p.m., Room 101 Kern.

Week of March 29

Monday, March 29
Film for Pass/Fail.
The Duke Ellington Orchestra in Concert, 8 p.m., University Auditorium.
Free Shakespeare film, "Romeo and Juliet" (Academy of Dramatic Art), 6:30 p.m., Room 162 Willard
PSU Gifts and Endowments Telathon, 6 p.m., Room 101 Kern.
Ronald Renshaw, tuba, 8:30 p.m., Music Bldg. recital hall.
French Department lecture, 8 p.m., Room 112 Kern, Dr. William M. Frohock on "Jean-Jacques Starobinski and the Picaresque."



Tuesday, March 30
File for Pass/Fail.
Free Shakespeare film, "Romeo and Juliet" (Academy of Dramatic Art), 6:30 p.m., Room 162 Willard
Sociology Lecture Series, Dr. Robert Belish on "Liberal Capitalization under Stress: The Impact of Modernization," 3 p.m., Room 112 Kern.
Clarion Percussion Ensemble, 8:30 p.m., Music Bldg recital hall.
Artists Series film, "La Dolce Vita," 6:30 p.m., University Auditorium.
Central Pa. Archaeological Society lecture, David Thompson, University of Georgia, on "Antinous at Antinoopolis," 8 p.m., Room 112 Kern.

Wednesday, March 31
Drop deadline.
Reregistration deadline
File for Pass/Fail.
Course Repeal deadline
David Brooks, violin, 8:30 p.m., Music Bldg. recital hall.
University Theatre, "When You Comin' Back, Red Ryder," 8 p.m., Pavilion Theatre.

Thursday, April 1
Sports: Men's golf, vs. Villanova, 1 p.m.
University Theatre, "When You Comin' Back, Red Ryder," 8 p.m., Pavilion Theatre.
GSA Garden Plot Workshop, 7:30 p.m., Room 112 Kern.

Friday, April 2
Folk and Square Dance Roundup, 7:30 p.m., White.
Dr. E. C. Bullard, Cambridge University, on "The Floor of the Deep Sea," 3:55 p.m., Room 22 Deike. Sponsored by the Graduate School and the Department of Geosciences.
Michael Powell, trombone, 8:30 p.m., Music Bldg. recital hall.
Artists Series, Pennsylvania Ballet, 8:30 p.m., University Auditorium.

Saturday, April 3
Sports: Men's golf, vs Navy, 1 p.m.
University Theatre, "When You Comin' Back, Red Ryder," 8 p.m., Pavilion Theatre.
Artists Series, Pennsylvania Ballet, 8:30 p.m., University Auditorium.

Sunday, April 4
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Sammy H. Mitchell, Ecumenical Center for Black Church Studies, Claremont, Cal.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel, Rev. Darry L. Millner, the Jerry Lloyd Ensemble.
Sports: Men's baseball, vs. Ithaca, 1 p.m.
Colloquy program, Julien Bond, Georgia State Senator, on "Collision Course in a Divided America," 8 p.m., University Auditorium.
Artists Series, An Afternoon with the Pennsylvania Ballet, 3 p.m., University Auditorium.
Berks Campus, Open House in the Luerssen Bldg., Community Learning Center and the new Library Bldg., 1-5 p.m.; reception, exhibit, folk music, and lecture by Charles Mann on rare books.

Week of April 5

Monday, April 5
Dr. E. C. Bullard, Cambridge University, on "The Origin of the Earth's Magnetic Field," 3:55 p.m., Room 22 Deike. Sponsored by the Graduate School and the Department of Geosciences.
Seminar on Education Reference Materials, 7 p.m., Room W110 Pattee.
Noontime Jazz Concert, noon, Kern lobby.
Jazz Workshop, 3 p.m., Room 101 Kern.
French Film Series, "Beauty and the Beast," 7 and 9 p.m., Room 112 Kern.
Marcus Chubbuck, piano, 8:30 p.m., Music Bldg. recital hall.

Tuesday, April 6
Sports: Men's tennis, vs. Georgetown, 2:30 p.m.
Seminar on Psychology Reference Materials, 7 p.m., Room W110 Pattee.
Commons Videotape (Jazz), noon, Kern lobby.
University Readers, "Poetry and Jazz," 8 p.m., Room 112 Kern.

Wednesday, April 7
Sports: Men's tennis, vs. Columbia, 2:30 p.m. Men's lacrosse, vs Franklin and Marshall, 8 p.m.
Commons Videotape (Jazz), noon, Kern lobby.
Ovarda Page, flute, 8:30 p.m., Music Bldg. recital hall.

Thursday, April 8
University Theatre, "The Balcony," 8 p.m., Playhouse Theatre (for mature audiences).
1976 Liberal Arts Career Information program, 2:15-5:15 p.m., HUB ballroom.

Friday, April 9
Sports: Track, men's and women's Nittany Lion Relays, 12 noon.
University Theatre, "The Balcony," 8 p.m., Playhouse Theatre (for mature audiences).
Theatre Department play, "Coal Town Breakers," 8 p.m., Room 112 Kern.
Nona Uhler, soprano, 8:30 p.m., Music Bldg, recital hall.
Artists Series, Don Cossacks of Rostow, 8:30 p.m., University Auditorium.

Saturday, April 10
Sports: Men's baseball, vs. Rutgers, 1 p.m. Men's tennis, vs. Rochester, 2 p.m. Track, men's and women's Nittany Lion Relays, 12 noon. Men's golf, vs. Lehigh, 1 p.m.
University Theatre, "The Balcony," 8 p.m., Playhouse Theatre (for mature audiences).
Theatre Department play, "Coal Town Breakers," 8 p.m., Room 112 Kern.
PSU Symphony Orchestra Tour Fund Benefit Concert, 1:30 p.m., University Auditorium.

Bicentennial Events

1976
March 12-13 — Artists Series, Nikolais Dance Theatre, 8:30 p.m., University Auditorium.
March 13-14 — Nikolais Dance Theatre Workshops, time and place to be announced.
March 14-16 — College of Arts and Architecture, Early American Music Concerts, with Irving Lowens, musicologist and critic, Washington Ster, guest artist.
March 14 — Chamber Music from the Moravian Tradition, Alard String Quartet, Paul Yarbrough and Keran Scott, 8:30 p.m., Schwab.
March 15 — "The American Harmony," a Selection of Choral Music from Nehemiah Shumway's "The American Harmony," published in 1793, performed by the Penn State Singers conducted by Raymond Brown, 8:30 p.m., Schwab
March 16 — A Re-creation of the Concert Given in Philadelphia on April 12, 1787, by the Uranian Academy, performed by the Penn State Singers and Musica da Camera, 8:30 p.m., Schwab.
March 17 — Berks Campus Lecture Series, "The Native American Indian Indian Art and Culture," and exhibit, sponsored with Wyomissing Institute of Fine Arts. Dr. Frederick J. Dockstader, Museum of the American Indian, Heye Foundation, N.Y., on "Three Hundred Years of Indian Art," 8 p.m., Berks Campus.
March 25-26 — Delaware County Campus, 3rd Conference of the Colloquium for Social Philosophy, on "Revolution Revisited."
March 31 — Berks Campus Lecture Series, Dr. William Powers, Livingston College, Rutgers University, on "Contemporary Music and Dance," 8 p.m., Berks Campus.



April 1 — York Campus Lecture Series, "Perspectives on the American Revolution," Dr. Pauline Maier, University of Massachusetts-Boston, on "Understanding the Revolution: A Problem of Historical Imagination," 3 p.m., York Campus.
April 2-3 — Artists Series, Pennsylvania Ballet, 8:30 p.m., University Auditorium
April 4 — An Allentown with the Pennsylvania Ballet, 3 p.m., University Auditorium.
April 7 — Berks Campus Lecture Series, John Wirhalt, University of Pennsylvania, on "American Indian World View and Philosophy: Insight into Folklore, Religion and Mythology," 8 p.m., Berks Campus.
April 18-June 6 — Exhibition, "Portraits USA, 1776-1976," Museum of Art.
April 19 — York Campus Lecture Series, Alfred Kazin, Hunter College, CUNY, on "Images and the American Revolution in American Writing," 2 p.m., York Campus.
April 28-May 1 — Bicentennial Engineering Week, "Two Centuries of Engineering Progress." College of Engineering Open House on May 1.
April 29-May 1, May 4-8 — University Theatre, "Unruly Children: A Pennsylvania Bicentennial Vaudeville," an eccentric view of some of Pennsylvania's more familier legends and figures told through comedy, drama, dance and song; an original show, 8 p.m., Pavilion Theatre.
May 10 — York Campus Lecture Series, Dr. Michael Kammen, Cornell University, on "The American Revolution and the American Sense of Tradition," 3 p.m., York Campus.

Exhibits

Museum of Art:
March 7-April 11: Recent Works by Stuart Frost.
April 18-June 8: Portraits USA. 1776/1976. The Museum offers free public gallery tours of current shows each Thursday at 1:30 p.m. Selections from the Permanent Collection are also on view in the Museum.

Zeller Gallery:
March 7-27: Stuart Frost In Retrospect.
March 28-April 10: Invisions
April 11-13: Film Follies
April 15-28: Student Drawing and Printmaking Exhibition.
May 1-14: Graduate Shows.
May 16-29: End-of-Year Student Exhibition

Kern Gallery:
Through March 16: Lanny Sommese, photography.
Through March 23: William Davis, drawings.
March 17-31: Altar Images (photo-journalism).
March 24-April 6: R. Logan Harrison, photography
April 1-April 9: W. C. Handy Jazz Exhibit.
April 10-April 30: African Art.
May 1-May 22: Bruce Johnson, watercolors.
May 1-May 30: Pre-Colombian Ceramics and Jewelry Exhibit.

Chambers Gallery:
March 9-25: Jaelynn Snyder Ott, drawings
March 29-April 22: Art Alliance Juried Exhibit, all media.
April 26-May 19: Undergraduate Student Exhibition, all media.

HUB (Main Lounge):
March 15-16: 1975 Book Show of the American University Presses.
March 15-April 9: Americana in the Netherlands (Norwegian Information Service)
April 7-May 16: Sulking Everyone (Smithsonian Institution Traveling Exhibition Service).

HUB Gallery:
Through Spring Term: Selections from the Permanent Collection at the Museum of Art.

Week of April 12

Monday, April 12
Tarm Paper Workshop, 7 p.m., Room W110 Patten.
Color Slide Club, 7 p.m., Room 112 Kern.
Kyung Sook Kim, soprano, 8:30 p.m., Music Bldg. recital hall.

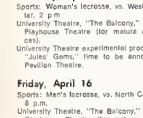
Tuesday, April 13
Sports: Women's tennis, vs. Lock Haven, 2 p.m.
Seminar on Environment Reference Materials, 7 p.m., Room W10 Patten
GSA Council meeting, 7 p.m., Room 101 Kern.
University Theatre, "The Balcony," 8 p.m., Playhouse Theatre (for mature audiences).

Wednesday, April 14
University Theatre, "The Balcony," 8 p.m., Playhouse Theatre (for mature audiences).
Artists Series film, "The Treasure of Sierra Madre," 8:30 p.m., University Auditorium.
Thalia Trio, 8:30 p.m., Music Bldg. recital hall.
University Theatre experimental production, "Jules' Gems," selected adaptations from Jules Feiffer cartoons, time to be announced, Pavilion Theatre

Thursday, April 15
Sports: Women's lacrosse, vs. West Chester, 2 p.m.
University Theatre, "The Balcony," 8 p.m., Playhouse Theatre (for mature audiences).
University Theatre experimental production, "Jules' Gems," time to be announced, Pavilion Theatre.

Friday, April 16
Sports: Men's lacrosse, vs. North Carolina, 8 p.m.
University Theatre, "The Balcony," 8 p.m., Playhouse Theatre (for mature audiences).
University Theatre experimental production, "Jules' Gems," time to be announced, Pavilion Theatre.

Saturday, April 17
Sports: Men's baseball, vs. George Washington, 1 p.m. Men's tennis, vs. George Washington, 2:30 p.m.



Sunday, April 11
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Norrmen Graebner, Bicentennial Project Director.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Pastor Gerald G. Loyd, Black Christian Fellowship Mass Choir.
Collegiate program, Senator Edmund Muskie, Maine, on "The Environment: How Will We Survive?" 8 p.m., University Auditorium.
Free Shakespeare film, "Hamlet" (Olivier), 6:30 p.m., Room 162 Willard.
Theatre Department play, "Cool Town Breakers," 2 p.m., Room 112 Kern.



Sports: Men's tennis, vs. Bucknell, 2:30 p.m.
Department of History and Institute for the Arts and Humanistic Studies lecture, Dr. Gyorgy Bonis, Budapest, on "Eastern Europe in the Middle Ages," 8 p.m., Room 101 Kern.
Free Shakespeare film, "Hamlet" (Olivier), 6:30 p.m., Room 162 Willard.
Symposium on American Portrait Painting, lectures, tour, reception, sponsored by the Friends of the Museum of Art in conjunction with "Portraits USA 1776/1976." Keller Conference Center.
Artists Series film, "B1," 8:30 p.m., University Auditorium.

Wednesday, April 21
Sports: Men's tennis, vs. Bloomsburg, 3 p.m.
Mid-Spring Quartet, 8:30 p.m., Music Bldg. recital hall.
Student Nurses Association "Career Day," 10 a.m.-4 p.m., HUB ballroom.

Thursday, April 22
Sports: Men's baseball, vs. Gettysburg, 2:30 p.m. Women's tennis, vs. Maryland, 1:30 p.m.
Commons Videotape, noon, Kern lobby.
"Bikini Season Is Right around the Corner," grooming tips, noon, Room 101 Kern.

Friday, April 23
Folk and Square Dance Roundup, 7:30 p.m., White
Sports: Men's baseball, vs. Duquesne, 2:30 p.m. Women's EAIAW Regionals, 9 a.m.
University Readers Theatre, 8:30 p.m., Room 112 Kern.
The Theatre of the Open Eye, artistic direction by Jean Erdman, 8 p.m., Playhouse Theatre.
Penn State Symphonic Wind Ensemble 8:30 p.m., Music Bldg. recital hall.

Saturday, April 24
Sports: Women's track, EAIAW Regionals, 9 a.m.
Fourth Annual Behrend College Colloquium in History, on "Interpretations of the American Revolution: Two Centuries of Controversy."
The Theatre of the Open Eye, artistic direction by Jean Erdmen, 8 p.m., Playhouse Theatre.
Artists Series, Netherlands Chamber Orchestra, Szymon Goldberg conducting, 8:30 p.m., University Auditorium.
"EMAX" '76," College of Earth and Mineral Sciences Exposition and Open House, 1-5 p.m., Mineral Industries, Mineral Sciences, and Deike.

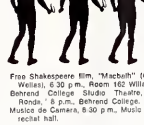
Sunday, April 25
Chapel Service, 11 a.m., Music Bldg. recital hall. Rev. Norman O. Conway, First Baptist Church, North Vandergrift, Pa.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Rev. Samual L. Jenkins, Black Christian Fellowship Mass Choir.
Sports: Men's baseball, vs Rider, 1 p.m. Men's lacrosse, vs Rutgers, 1 p.m.
Shavers Creek Nature Center, Early Morning Bird Walk, 7 a.m., Ecology Walk, 3 p.m., Mineral Industries Bldg., Stone Valley.
Charles Nobel, piano, 3:30 p.m., Music Bldg. recital hall.
"EMAX," College of Earth and Mineral Sciences Exposition and Open House, 1-5 p.m., Mineral Industries, Mineral Sciences, and Deike.

Week of April 26

Monday, April 26
Free Shakespeare film, "Macbeth" (Maurice Evans, Peter Schaefer), 6:30 p.m., Room 162 Willard
William Sprigg, organ, 8:30 p.m., Music Bldg. recital hall.

Tuesday, April 27
Sports: Women's softball, vs. Lock Haven, 3 p.m.

Wednesday, April 28
Sports: Men's tennis, vs. West Virginia 102nd John Henry Frizzell All-University Speech Contest, sponsored by the Penn State Forensic Council. Preliminaries and semi-finals, 7 p.m., Room 121 Sparks.



Free Shakespeare film, "Macbeth" (Orson Welles), 6:30 p.m., Room 162 Willard.
Behrend College Studio Theatre, "La Ronde," 8 p.m., Behrend College.
Musica de Camera, 8:30 p.m., Music Bldg. recital hall.

Thursday, April 29
Department of History and Institute for the Arts and Humanistic Studies lecture, Dr. Gyorgy Bonis, Budapest, on "Eastern Europe in the Middle Ages," 8 p.m., Room 101 Kern.
Behrend College Studio Theatre, "La Ronde," 8 p.m., Behrend College
Pennsylvania Vocal Ensemble, 8:30 p.m., Music Bldg. recital hall.
"Bikini Season is Right around the Corner," grooming tips, noon, Room 101 Kern
Commons Videotape, noon, Kern lobby
University Theatre, "Unruly Children, A Pennsylvania Bicentennial Vaudeville," 8 p.m., Pavilion Theatre (for mature audiences).

Friday, April 30
Behrend College Studio Theatre, "La Ronde," 8 p.m., Behrend College
Pennsylvania Vocal Ensemble, 8:30 p.m., Music Bldg. recital hall.
University Theatre, "Unruly Children: A Pennsylvania Bicentennial Vaudeville," 8 p.m., Pavilion Theatre (for mature audiences).
Artists Series, Boston Symphony Chamber Players, 8:30 p.m., Schwab



Saturday, May 1
Sports: Men's track, vs. Michigan, Men's golf, Nittany Lion Invitational Women's lacrosse, vs. Millersville, 1 p.m.
Behrend College Studio Theatre, "La Ronde," 8 p.m., Behrend College.
University Theatre, "Unruly Children, A Pennsylvania Bicentennial Vaudeville," 8 p.m., Pavilion Theatre (for mature audiences).
Penn State Model Railroad Club Equipment Auction, 10 a.m.-6 p.m., Rooms 320, 214 HUB
Dinner Theatre, 8:30 p.m., Rooms 102, 112 Kern.



Sunday, May 2
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Rosemary R. Ruether, hitorical theology, Howard University.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel Pastor Gerald G. Loyd, the Jerry Loyd Ensemble.

Sciences Exposition and Open House, 1-5 p.m., Mineral Industries, Mineral Sciences, and Deike

Sports: Men's baseball, vs. Mansfield, 1 p.m. Men's golf, Nittany Lion Invitational
Shavers Creek Nature Center, Early Morning Bird Walk, 7 a.m.; Ecology Walk, 3 p.m., Mineral Industries Bldg., Stone Valley.
Katherine Kello, piano, 3:30 p.m., Music Bldg. recital hall.
Dinner Theatre, 6:30 p.m., Rooms 102, 112 Kern.



Week of May 3

Monday, May 3
Start preregistration for Fall Term.
First day for signing Summer Term NDSL, BEOG, and University Long Term Loans, Room 108 Shields
"Bikini Season Is Right around the Corner," grooming tips, Room 101 Kern.
Ann Robinson, French horn, 8:30 p.m., Music Bldg. recital hall.
Dorterer Program Lecture Series, 8 p.m., Room 101 Kern, Speaker, Hans Gedemar.

Tuesday, May 4
University Theatre, "Unruly Children: A Pennsylvania Bicentennial Vaudeville," 8 p.m., Pavilion Theatre (for mature audiences).
Gallery Talk, William Hull and William Davis on "Framing Original Art Works," 10:30 a.m., Museum of Art.

Wednesday, May 5
Late drop deadline.
Sports: Men's tennis, vs. Lehigh, 3 p.m. 102nd John Henry Frizzell All-University Speech Contest, finals, 7 p.m., Room 121 Sparks.
Last day for signing Spring Term NDSL, BEOG, and University Long Term Loans, Room 108 Shields.
Free Shakespeare film, "Henry V" (Olivier), 6:30 p.m., Room 162 Willard.
Penn State Thespians, "South Pacific," 8:30 p.m., Schwab.
Behrend College Studio Theatre, "Lo Ronde," 8 p.m., Behrend College
University Theatre, "Unruly Children: A Pennsylvania Bicentennial Vaudeville," 8 p.m., Pavilion Theatre (for mature audiences).
"Travel Fair," exhibits, workshops, resources for summer travel, 9 a.m.-5 p.m., Kern.
Penn State Brass Chorale, 8:30 p.m., Music Bldg. recital hall.
Artists Series film, "Singin' in the Rain," 8:30 p.m., University Auditorium.

Saturday, May 6
University Theatre, "Jazz Dance Theatre in Concert," 8 p.m., Playhouse Theatre.
PSU Symphony Orchestra, featuring premiere of Burt Feiner's "Symphony #3," 8:30 p.m., University Auditorium.

Sunday, May 7
Chapel Service, 11 a.m., Music Bldg. recital hall. The Chapel Choir's Spring Concert.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. "Today is Mother's Day," Rev. Leon B. Hall, Easton, Md., special man's day choir.
Shavers Creek Nature Center, Spring Wild Flower and Ecology Walk, 3 p.m., Mineral Industries Bldg., Stone Valley.
Free Shakespeare film, "King Lear" (Peul Scofield, Peter Brook), 6:30 p.m., Room 162 Willard.
Penn State Symphonic Wind Ensemble Pops Concert, 3:30 p.m., Arte Courtyard.

Saturday, May 8
Sports: Women's tennis, vs. Ohio State, 9:30 a.m. Golf, Lady Lion Spring Invitational. Women's lacrosse, vs. Cortland, 1 p.m.
Behrend College Studio Theatre, "La Ronde," 8 p.m., Behrend College
University Theatre, "Unruly Children: A Pennsylvania Bicentennial Vaudeville," 8 p.m., Pavilion Theatre (for mature audiences).
Penn State Thespians, "South Pacific," 8:30 p.m., Schwab.
Hillel Foundation film, "I Love You Rose," 9 p.m., HUB assembly room.

Sunday, May 9
Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Charles L. Coleman, program director religious affairs
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. "Today is Women's Day," Mrs. Carrie Lucious, Pittsburgh, special women's day choir.
Shavers Creek Nature Center, Early Morning Bird Walk, 7 a.m.; Spring Wildflower and Ecology Walk, 3 p.m., Mineral Industries Bldg., Stone Valley
Penn State Glee Club Mothers' Day Concert, 3 p.m., Schwab.
Hillel Foundation film, "I Love You Rose," 7 p.m., HUB assembly room.

Week of May 10

Monday, May 10
Valerie Farrone, violin, 8:30 p.m., Music Bldg. recital hall.
Nonprint Concert, noon, Kern lobby.

Tuesday, May 11
GSA Council meeting, 7 p.m., Room 101 Kern.
Artists Series film, "Amarcord," 8:30 p.m., University Auditorium.

Wednesday, May 12
Sports: Men's baseball, vs. Indiana Pa., 1:30 p.m.
University Theatre, "Jazz Dance Theatre in Concert," 8 p.m., Playhouse Theatre.
Composers' Concert, 8:30 p.m., Music Bldg. recital hall.

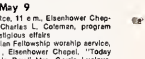
Thursday, May 13
Sports: Women's softball, vs. Ursinus, 3 p.m. Women's lacrosse, vs. Ursinus
University Theatre, "Jazz Dance Theatre in Concert," 8 p.m., Playhouse Theatre.
Commons Videotape, noon, Kern lobby.
"Bikini Season is Right around the Corner," grooming tips, noon, Room 101 Kern.

Friday, May 14
Folk and Square Dance Roundup, 7:30 p.m., White
Sports: Men's track, Penn State Open Invitational
Free Shakespeare film, "King Lear" (Peul Scofield, Peter Brook), 6:30 p.m., Room 162 Willard.
University Theatre, "Jazz Dance Theatre in Concert," 8 p.m., Playhouse Theatre
Collette Vonade, organ, 8:30 p.m., Music Bldg. recital hall.

Saturday, May 15
University Theatre, "Jazz Dance Theatre in Concert," 8 p.m., Playhouse Theatre.
PSU Symphony Orchestra, featuring premiere of Burt Feiner's "Symphony #3," 8:30 p.m., University Auditorium.

Sunday, May 16
Chapel Service, 11 a.m., Music Bldg. recital hall. The Chapel Choir's Spring Concert.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. "Today is Mother's Day," Rev. Leon B. Hall, Easton, Md., special man's day choir.
Shavers Creek Nature Center, Spring Wild Flower and Ecology Walk, 3 p.m., Mineral Industries Bldg., Stone Valley.
Free Shakespeare film, "King Lear" (Peul Scofield, Peter Brook), 6:30 p.m., Room 162 Willard.
Penn State Symphonic Wind Ensemble Pops Concert, 3:30 p.m., Arte Courtyard.

Week of May 17



Monday, May 17
Peter Bryc, cello, 8:30 p.m., Music Bldg. recital hall.
Color Slide Club, 7 p.m., Room 112 Kern.

Tuesday, May 18
Sports: Men's baseball, vs St. John's, 1:30 p.m.

Wednesday, May 19
Last day for signing Spring Term Emergency Loans, Room 108 Shields. Classes end.

Thursday, May 20
Commons Videotape, noon, Kern lobby
Final examinations

Friday, May 21
Final examinations.

Saturday, May 22
Final examinations.

Saturday, May 29
Commencement.

Something for everyone — lectures, art, music and sports

Bicentennial concerts

The Bicentennial Festivol of Music in 18th Century Pennsylvania, another in the series of events celebrating the netion's Bicentennial at the University, will feature concerts at 8:30 p.m. on March 14, 15 and 16 in Schwab Auditorium.

Each concert in this festival, planned by special arrangement with the College of Arts and Architecture and the Department of Music, was programmed by Irving Lowens, musicologist, music critic for the Washington, D.C., "Star," and an authority on early American music.

The music will be performed as it was in 18th century Pennsylvania and will include works by early American composers and others such as George Handel, whose compositions were played during the period.

Mr. Lowens, whose residency is supported by the Institute for the Arts and Humanistic Studies at the University, will preface each concert with explanatory comments on the program and will conduct music seminars for students and other interested persons during his visit.

The festival will open on Sunday, March 14, with a concert of chamber music from the Moravian tradition written by John Antes, David Michael, John Peter, Jeremiah Dencke and Simon Peter and performed by the Afard String Quartet, violist Paul Yarbrough and Karen Scott, soprano.

The Penn State Singers, directed by Raymond Brown, will sing a selection of choral music by 13 composers from The American Harmony, published in 1793 by Nehemiah Shumway, composer and publisher of music, on Monday, March 15.

Completing the three-concert festival on Tuesday, March 16, will be a recreation of the concert of choral and orchestral music given on April 12, 1767, by the Uranian Academy in Philadelphia, Performing will be the Penn State Singers and Musica da Camera.

Much of the music to be performed in the festival exists only in microprint or in manuscript and rare editions in libraries in the United States and England. Performing scores were obtained by hand transcription from machine copies of the originals.

The public is invited to attend the concerts, for which no tickets are required, and there will be no admission charge.

Archaeology lecture

Theodore A. Wertime, research associate in archaeology at the National Museum of Natural History, Smithsonian Institution, will eddress the Central Pennsylvania Chapter of the Archaeological Institute of America at 8 p.m. Tuesday, March 16, in Room 101 Carnegie Bldg. The subject of his public lecture is "The Search for the Mystery of Tin: the Beginnings of the Early Bronze Age in the East and West." A specialist in the history of metallurgy, Mr. Wertime will discuss one of the pivotal periods in the development of human civilization, the transition from the age of stone tools to that of man's first exploitation of metals. His specific interest is the determination of the early sources of the tin used in the production of bronze, and his discussion will encompass archaeological evidence from sites in the Aegean, Turkey, Egypt and Thailand.

Talk on multinational companies

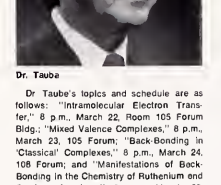
Prof. Michael Brooke, head of the International Business Unit at the University of Manchester, England, will deliver a public talk on "Policies and Strategies of European Multinational Companies" during fourth period (12:45-2 p.m.) Friday, March 19, in Room 101 Althouse Lab. A sociologist, Prof. Brooke is one of the leading authorities on organization, strategy and policy among European multinational corporations. His visit to Penn State is being sponsored by the College of Business Administretion and the University Committee on International Programs.

Viruses, Sex and Cancer

Dr. Fred Rapp, professor and chairmon of the Oepartment of Microbiology at Hershey, will deliver a public lecture on "Viruses, Sex and Cancer" at 8 p.m. Wednesday, March 17, in Room 108 Forum Bldg. His talk is being sponsored by Sigma Xi. Dr. Repp is internationally known for his research on viruses, viral genetics and immunology. He is a Fellow of the American Academy of Microbiology and an affiliate of the Royal Society of Medicine, London. He has served as editor of the "Journal of Virology" and the "Journal of Cancer Research."

Priestley lectures

The 15th annual series of Priestley Lectures will be presented Monday through Thursday, March 22-25, at the University by inorganic chemist Henry Taube, a mamber of the National Academy of Sciences and the American Academy of Arts and Sciences. The four lectures are open to the public free of charge.



Dr. Tauba

Dr Taube's topics and schedule are as follows: "Intramolecular Electron Transfer," 8 p.m., March 22, Room 105 Forum Bldg.; "Mixed Valence Complexes," 8 p.m., March 23, 105 Forum; "Back-Bonding in Classical Complexes," 8 p.m., March 24, 108 Forum; and "Manifestations of Back-Bonding in the Chemistry of Ruthenium and Osmium Ammines," 3 p.m., March 25, 108 Forum.

The Priestley Lectures are sponsored by the Mu chapter of the chemical honorary society, Phi Lambda Upsilon, and the chemistry-related departments of the University.

Or. Taube is professor and former chairman of the chemistry department at Stanford University. His career spans four decades and has been cited as contributing to a "renaissance of the science of inorganic chemistry."

His principel research accomplishments have been in the area of inorganic reactions in solution. Specifically, he advanced the understanding of solvation of ions, of the mechanisms of substitutional changes at metal ion centers and of the mechanisms of oxidation-reduction reactions.

For this work, Dr. Taube was honored with the American Chemical Society's Award for Nuclear Applications in 1955 and its Award for Distinguished Service in the Advancement of Inorganic Chemistry in 1967.

The Priestley Lectures were established in 1926 by the late Prof. Wheeler P. Davey. The series is named in honor of the 18th century pioneer chemist, Joseph Priestley, discoverer of oxygen.

French horn recital

Chrsteen Caltahan-Dole, instructor in music, will present a French horn recital at 8:30 p.m. Wednesday, March 17, in the Music Bldg. recitol hall. Her program includes Pinkham's "Fanfare, Aria and Echo," "Parable VIII for Solo Horn" by Persichetti, "Till Eulenspiegel-einmal anders," Opus 28 by Richard Strauss, and the Brahms "Trio in E-flat." Assisting in the recital will be Ann Robinson, French horn; Rick Hoover, timpani; Smith Toulson, clarinet; William Dole, bassoon; James Carroll, double bass; Raymond Page, violin; and Steven Smith, piano.

Swimming-diving meet

The 1976 Eastern Intercollegiate Swimming and Diving Champlonships will be held this weekend, Thursday through Saturday, March 11-13, in the Natatorium. Trials will be at noon on Thursday and Friday, finals at 7.30 p.m. On Saturday the trials will move up to 10 a.m. and the finals to 4 p.m. Admission to the trials is $1 per session; $2 for the finals. Participating teams include: East Carolina, Marshall, Maryland, Niagara, Penn State, Pittsburgh, Rutgers, St. Bonaventure, St. John's, Syracuse, Villanova and West Virginia.



The boys from Preservation Hall

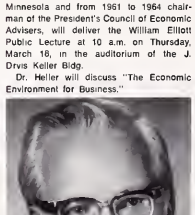
Preservation Hall band

The world famous Preservation Hall Jazz Band will appear here in a concert sponsored by the Artists Series at 8.30 p.m. on Tuesday, March 23, in Recreation Bldg. The band, presently on tour from its home in New Orleans, consists of members who took part in the birth of our most American art form. The youngster in the group was born in 1910. But even though all of the members are over 60, there is no lessening of the spirit that is so much a part of their music. Touring extensively throughout the United States and the world, they have done much to preserve New Orleans Jazz as played by the people who created it over a half century ago. At their last Penn State appearance, many people in the audience were literally lifted from their seats and dancing in the aisles. Tickets will go on sale starting Thursday, March 11, at the HUB Booth from 9 a.m. to 4 p.m. On March 16, tickets will also go on sale at University Auditorium. The price of the tickets is $2.50, and there are no reserved seats.

William Elliott lecture

Dr. Walter W. Heller, Regents' Professor of Economics at the University of Minnesota and from 1961 to 1964 chairman of the President's Council of Economic Advisers, will deliver the William Elliott Public Lecture at 10 a.m. on Thursday, March 18, in the auditorium of the J. Orvis Keller Bldg.

Dr. Heller will discuss "The Economic Environment for Business."



Dr. Heller

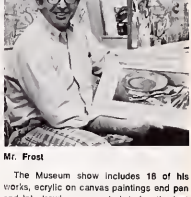
The lecture is the highlight of the William Elliott Invitational Conference, sponsored March 16-19 by the College of Business Administration at the University. The conference was established at Penn State in recognition of Mr. Elliott, chairman of the executive committee of the Philadelphia Life Insurance Company, who has taken a keen interest in the business administration program at the University, endowed a chair in the College of Business Administration and was awarded the Penn State Medal in 1974. Two conference sections, one headed by Dr. Heller, will be featured at the conference. The other section will be chaired by Dr. Roger F. Murray, S. Sloan Colt Professor of Banking and Finance in the Graduate School of Business at Columbia University.

Dr. Helter, longtime spokesman on the national economy — he has appeared ten times on "Meet the Press" — serves as a consultant to the Executive Office of the President and is a member of the Federal Energy Office Advisory Panel.

Frost exhibit

Recent work by Stuart Frost, professor of art, is on display through April 11 at the Museum of Art and a retrospective, including 88 of his works, is being shown at the Zoller Gallery through March 27. There will be a recaption for the artist at 7:30 p.m. Monday, March 15, in the gattary.

A Fellow of the Institute for the Arts and Humanistic Studies, Mr. Frost studied at the Skowhegan School of Painting and Sculpture, Brooklyn Museum School and New York University and worked under such artists as Hobson Pittmen, Mex Beckmann and Ben Shahn. As a Penn State undergreduate, he assisted Henry Varnum Poor in painting the land-grant frescoes in Old Main and in 1951-53 assisted Allyn Cox in executing frescoes in the Capitol rotunda in Washington, D.C. He is represented in a number of private and public collections, has participated in group shows throughout the country and has also had several one-man shows.



Mr. Frost

The Museum show includes 18 of his works, acrylic on canvas paintings and pen and ink drawings, executed during the test four years. Mr. Frost will deliver a gallery talk on his work at 10.30 a.m. Tuesday, March 16, in the Museum. In conjunction with the exhibit, a recital of music for cello and violin will be performed by Leonerd Feldman and Joanne Zagst, associate professors of music, at 3 p.m. Sunday, March 14, in the Museum.

The printing of catalogs for the two shows was supported by the Institute.

Book show at HUB

The Penn State University Press will sponsor an exhibition of the 1975 Book Show of the Association of American University Presses on Monday end Tuesday, March 15 and 16, in the first floor HUB lounge area between 10 a.m. and 4 p.m. The 30 books in this traveling exhibit were chosen from over 200 books submitted by 53 AAUP member presses and represent the highest standards of schoierly book production. In addition, a special selection of books chosen for recognition because of special outstanding features will be shown. Display copies will be available for inspection, along with a catalog describing each entry. Among the books in the exhibition this year are two titles published by the Penn State Press: "Custer and the Epic of Defeat" by Bruce A. Rosenberg, professor of English and comparative literature at the University, and "The History and Decoretion of the Ponte S. Angelo" by Mark S. Weil. Both books were designed by Glenn Ruby, and their production was meneged by Janet L. Oletz.

Dichter piano recital

One of Amerlce's great pianists, Misha Dichter, will be presented in concert by the Artists Series at 8:30 p.m. Friday, March 19, in University Auditorium. Born in Shanghai of Polish parents, he was brought to the United States at age two and began studying piano when he was six. However, he did not decide to become e concert pianist until he took a Master Class with Mme. Rosina Lhevinne while he was an English mejor at UCLA. After completing his studies at Juilliard, he was ewerded the silver medal at the 1966 Tchelkovsky Competition in Moscow. Since then, he has been hailed in almost all the major music capitals of the world. Ticket sales open Tuesday, March 16, at the HUB booth and University Auditorium from 9 a.m. to 4 p.m.

Seminars, March 11-16

Thursday, March 11

Chemistry, 12:45 p.m., Room 333 Whitmore. William Graham, University of Alberta, on "Stereochemical Nonfrigd Six-Coordinate Metal Carbonyls."

Meteorology, 4 p.m., Room 26 Mineral Sciences. Werner Heck, graduate student, on "Small Scale Atmospheric Mixing."

Computer Science, 4 p.m., Room 325 Whitmore. Ross Towle, University of Illinois, on "Program Transformations for Parallel Processing."

Statistics, 4 p.m., Room 75 Willerd. Richard Madsen, University of Missouri, on "Restricted Maximum Likelihood Estimators for Poisson Parameters."

Monday, March 15

New Communities, Architecture, 2 p.m., Room 320 Sackett. Dr. Allen V. Kneese, economics, University of New Mexico, on "The Economic Problems of Constructing Cities in an Arid Region."

Genetics, 3:55 p.m., Room 111 Tyson. Tom Murphy, Pesticide Lab., on "A Protocol Using DNA-DNA Hybridization to Determine Relatedness between Some Insect Deoxyribonucleic Acid Viruses."

Computation Center, 7:30 p.m., Room 108 Forum. APL (1).

Tuesday, March 16

Analytical Chemistry, 12:45 p.m., Room 445 Davey. T. H. Risby on "Topics in Analytical Chemistry."

Solid State Physics, 1 p.m., Room 339 Davey. Dr. Jean Schmit, physics, on "Three Body Effects in the Surface Energy, and in the Energy for Physisorption for Rare Gas Crystals."

Entomology, 4 p.m., Room 204 Patterson. Yusuf Ibrahim, on "Oviposition, Larval Activity, and Control of Seedcorn Maggot, 'Hylemya platura' (Meigen) (Diptera: Anthomyiidae), in Soybean."

Inter-Science, 4 p.m., Room 333 Whitmore. Harry Peck, biochemistry, University of Georgia, on "Evolutionary Significance of Inorganic Sulfur Metabolism."

Inorganic Chemistry, 8 p.m., Room 333 Whitmore. Dr. Jack Williams, Eastman Kodak, on "Boron Photochemistry: An Outgrowth of Printing Processes."

Wednesday, March 17

Fuel Science, 4 p.m., Room 301 Mineral Industries. Dr. Theodore A. Wertime, National Museum of Natural History, Smithsonian Institution, on "Man's Early Pyrotechnology."

Thursday, March 18

Chemistry, 12:45 p.m., Room 333 Whitmore. Sheldon Datz, Oak Ridge National Labs., on "Electron Transfer Reactions."

Air Pollution Control, 2:20 p.m., Room 145 Fenske. Paul H. Harris. Meteorology Research, Inc., on "Fugitive Aerosols in the Urban Environment."

Populations Issues Research, 2:30 p.m., Room 244 Deike. Dr. Thomas Burch, Western Ontario University, on "Household Deta and the Persistence of the Extended Family."

Physics, 3:50 p.m., Room 117 Osmond Dr. Douglas Osheroff, Bell Telephone Labs., Murray Hill, on "Magnetic Properties of Superfluid He³."

Mathematics, 4 p.m., Room 116 McAllister. Dr. Isadore Singer, MIT and the Institute for Advanced Study, on "Elliptic Operators on Non Compact Covering Spaces."

Microbiology and Cell Biology, 4 p.m., Room S2 Frear. William M. Spira, Food Microbiology Lab., U.S. Army Natick Development Center, on "The Role of Enterotoxin Production In 'Bacitus Cereus' Physiology."

Meteorology, 4 p.m., Room 26 Mineral Sciences. Dr. Tsann-Wang Yu, Techniques Development Lab., NOAA, on "Numerical Study of the Atmospheric Boundary Layer."

Friday, March 19

Ecology, 4 p.m., Room 112 Kern. Dr. Fred L. Knopf on "Spatial, Temporal Aspects of Colonial Nesting of the White Pelican."

Senate study of remedial education set

The University Faculty Senate has approved appointment of a joint Senate-Administration committee to study the question of remedial education within the University.

The action came at March 2 Senate meeting following a lengthy discussion of a report from the Special Committee on the Developmental Year Program.

While not acting on the Committee's recommendations, the Senate voted 79-46 to receive the report, to establish a joint committee to assess the impact of present admissions standards on the quality of Penn State graduates; to study possible implementation of the Special Committee's recommendations, including costs; and to assess the impact of remedial education programs on students and faculty. A report is to be made to the Senate by Jan. 1, 1977.

Basic skills lacking

Stating that there is ample evidence that students are graduating without the basic skills in reading, writing and mathematics, Thomas E. Daubert, Developmental Year Committee chairman, emphasized that the Committee's recommendations (the recommendations appear in the Feb. 26 INTERCOM) were enabling and not implementing legislation. He said details of the program would have to be approved by the Senate before final implementation.

Dr. Daubert told the Senate that the recommendations were based on the position that the University should provide remedial services as a means of maintaining traditional academic standards.

John J. Cahir, chairman of the Senate Faculty Affairs Committee, said that the group had expressed some concern over the rapidity with which the proposal is being legislated and had questions as to the costs and source of funds and the professional implications for those who teach remedial courses. "We wish only to slow down the pace of the Senate and the University on this important question," he said.

Several other senators also raised questions concerning the cost of wide-scale remedial education, but several urged the Senate "to face the issue" by acting on the Committee recommendations.

William H Parsonege suggested that remediation be provided to students who need it before they are admitted to the University. Helen I. Snyder pointed out that the time has passed when curriculum planners in public schools see the greatest good coming from preparing students for admittance to a university. "It's unrealistic to expect that our expressing our dissatisfaction to the public schools will have any effect," she said.

President reports

In other business, President Oswald reported to the Senate on the budget situation and his appearances before the Appropriations Committees of the State Senate and House of Representatives.

Dr. Oswald also said University calendars are now being developed in accord with the Senate's action in February on the final examination policy and the summer term.

He said it appears that a period of four to four-and-one-half days will be required at University Park for final examinations each term and calendars will be developed in accordance with the estimate. The 1976 calendar, which already has been announced, provides for six days, but the first four-and-a-half days will be considered as the final examination period.

The Senate also:

—Approved changes in admissions policies in the Academic Policies and Procedures for Undergraduate Students.

—Gave final approval to a major revision of the student rules.

A report on multiple degrees and double majors was withdrawn and will be revised for submission at the April 6 meeting of the Senate.

PLRB hearings report

The Pennsylvania Labor Relations Board will resume hearings March 30 on the makeup of a faculty unit eligible to vote in a representation election at the University.

The hearings, conducted before Hearing Examiner Sidney Lawrence, were called as a result of a petition filed by the Pennsylvania State University Professional Association (PSUPA) for an election to determine whether or not a bargaining agent should represent Penn State faculty and professional staff.

PSUPA is seeking a unit to include all faculty, excluding those in the College of Medicine at the Milton S. Hershey Medical Center, and all non-teaching professionals directly related to the academic and research programs. Another faculty organization, the American Association of University Professors (AAUP), seeks a unit including only faculty, but also excluding faculty in the College of Medicine.

The University feels the appropriate unit for an election should be a "pure" faculty unit made up ot regular full-time faculty at all locations of the University.

Testifying at sessions held Feb. 24-26 at University Park were Dr. Richard G. Cunningham, vice president for research and graduate studies, and Dr. G. Gregory Lozier, University planning specialist in the Division of Institutional Research and Planning. Hearings on Feb. 24 were devoted to the cross-examination of Ray T. Fortunato, assistant vice president for personnel administration, who had testified earlier in the hearings.

Dr. Cunningham outlined the purpose and function of the intercollege research programs and described in detail the functions of Code 4 academic employees and Code 5 staff exempt employees, particularly at the Applied Research Laboratory and the Computation Center.

Dr. Cunningham indicated that faculty members are appointed because of their expertise in a particular body of knowledge; with the appointment goes an expectation that research problems will be identified and research conducted. However, he said, staff exempt personnel involved in research projects, while often highly skilled and very important to the overall research program, are hired to perform rather specific functions in support of the research and typically become associated with a research project after the problem has been identified for study.

Dr. Lozier shares responsibility for preparing the annual report to the State on the University's instructional programs and faculty activity in accord with the requirements of the "Snyder Amendment." He pointed out that the Appropriations Act distinguishes between faculty — those personnel responsible for delivering the University's teaching, research, and public service programs — and other classes of employees in that only academic personnel are required to tell out faculty activity cards.

Regarding the problem ot defining full-time and part-time employees, which had been raised earlier in the hearings, Dr. Lozier said that department heads justify the need for a full-time position and an employee is designated as full-time when appointed. A faculty member appointed in such a position, he said, is assigned responsibilities by the department chairman which collectively constitute a full-time workload.

A part-time faculty member is someone hired by a department or Campus to perform specific responsibilities which are something less than the responsibilities of a full-time assignment, he added.

Cross-examination by Mr. Fortunato was devoted to a review of each policy in the University Policy Manual to determine to which classes of employees each policy applies.

During the sessions, the hearing examiner received a petition signed by 70 of the 130 faculty members in the College of Earth and Mineral Sciences.

The petition expressed (1) the faculty's desire to be excluded from any collective bargaining unit formed to represent various employees of The Pennsylvania State University and (2) the faculty's belief that its strong disciplinery orientation and association responsibilities are such that the faculty can be better represented by existing collegial procedures than by a group attempting to serve the widely diverse University community.

Mr. Lawrence ruled that the group has a right to be an intervenor In the hearings and he heard for the limited purposes of why or why not they should be included in a unit.

Staff vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been filled with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 863-1387 (network line 475-3387). Applications for these staff vacancies will be accepted up to 5 p.m., March 18, 1976. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

RESIDENCE LIVING COORDINATOR
Capitol Campus

Responsible for the supervision and administration of the Residence Living Program in two residence halls; supervision of resident assistants in resident hall wide. A five-in position. This will be a full-time position for ten months in each year. Master's degree or equivalent in psychology, student personnel services, higher education or related fields, plus one to two years of directly related experience in residence living or student activity programs.

TREASURER, ASSOCIATED STUDENT ACTIVITIES, University Park

Responsible to the Director, Office of Student Activities, for the supervision, administration, formal control and accountability of the daily operations of the student organization financial accounts in the Associated Student Activities Office and for providing advisory assistance to student organizations in the maintenance of their accounts as well as providing educational programs to enhance student organization treasurers' skills in the area of financial management. The treasurer is to provide assistance and advice to the director in financial and administrative matters pertaining to the accounting for student organization. Bachelor's degree or equivalent in business, accounting or related area, with preference of three to four years of directly related experience. Should have demonstrated ability to supervise, train and direct clerical personnel. Should be able to function in an educating capacity when working with student organization officers (particularly treasurers).

EDITORIAL ASSISTANT, GRADUATE SCHOOL, University Park

Responsible for the operation of the Office of Theses and Publications and other related duties. A bachelor's degree or equivalent preferably in English or a communication field and one to two years of directly related editorial experience required

THE UNIVERSITY IS AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER

Funding sources

For further information, call 865-1372

(217-1) In its last year of funding, SETI Science and Engineering Technician Education Program, NSF, announces a March 21 deadline for (effectively 3/22/76). Preliminary proposals is required in advance to be reviewed in 4(that as promised by the agency. Technician/technology education programs at the college level are eligible. For the best programs, continuations are possible under the NSF Alternatives in High Education Program. (Ref. 41FR7439-40, 2/18/76; C/TF)

(217-2) There is an April 1 deadline date for NSF Ecosystems Studies and Ecology Systematic Biology research programs.

(217-3) The American Seed Research Foundation has announced an April 15 deadline for seed research projects which will be furnished in four or five three-year grants ranging from $3500-$4500 per year, beginning Sept. 1. (Ref. Federal Register)

(217-4) The OHEW Office of Human Development announces a March 26 deadline date for long-term training projects in vocational rehabilitation. Also announced is a July 10 deadline for "in-service training" of state personnel. Projects include training in both established and experimental disciplines and continuing education. (Ref. 41FR7439-40, 2/18/76) (CFDA 13.626)

(217-5) FY 1976 selections for grants to establish an exemplary career education model program to demonstrate an effective working relationship between business, industry and labor and formal school community. RFP 76-50 will be available until about April 5 from Marion J. Wingrove, USOE, GPM Div., Room 3653, Regional Office Bldg. 3, 7th & O Streets, S.W., Washington, D.C. 20202 (202-245-2525). (Ref. C&U Reps. p.)

(217-6) FY 1976 selections for grants to establish an exemplary career education model program to demonstrate an effective working relationship between business, industry and labor and formal school community. RFP 76-50 will be available until about April 5 from Marion J. Wingrove, USOE, GPM Div., Room 3653, Regional Office Bldg. 3, 7th & O Streets, S.W., Washington, D.C. 20202 (202-245-2525). (Ref. C&U Reps. p.)

(217-7) FY 1976 selections for grants to establish an exemplary career education model program to demonstrate an effective working relationship between business, industry and labor and formal school community. RFP 76-50 will be available until about April 5 from Marion J. Wingrove, USOE, GPM Div., Room 3653, Regional Office Bldg. 3, 7th & O Streets, S.W., Washington, D.C. 20202 (202-245-2525). (Ref. C&U Reps. p.)

(217-8) FY 1976 selections for grants to establish an exemplary career education model program to demonstrate an effective working relationship between business, industry and labor and formal school community. RFP 76-50 will be available until about April 5 from Marion J. Wingrove, USOE, GPM Div., Room 3653, Regional Office Bldg. 3, 7th & O Streets, S.W., Washington, D.C. 20202 (202-245-2525). (Ref. C&U Reps. p.)

(217-9) FY 1976 selections for grants to establish an exemplary career education model program to demonstrate an effective working relationship between business, industry and labor and formal school community. RFP 76-50 will be available until about April 5 from Marion J. Wingrove, USOE, GPM Div., Room 3653, Regional Office Bldg. 3, 7th & O Streets, S.W., Washington, D.C. 20202 (202-245-2525). (Ref. C&U Reps. p.)

(217-10) The Newberry Library — Postdoctoral humanities fellowships for 1976-77 beginning April 1, 1976. (Rel. 76-2)

Court's decision rejects 'super-tenure review committee' role

A federal court decision that could have far-reaching implications for tenure rights and academic freedom of college and university faculty members has been handed down by the U.S. Middle District Court in Harrisburg.

The decision, by Chief Judge Michael J. Sheriden, says, in effect, that a court cannot substitute its judgment for that of the academic community on the substantive merits of tenure and other academic personnel decisions.

At the same time, the court addressed the extent to which the academic freedom of faculty members may be reasonably limited, setting forth six specific circumstances where limitations are reasonable.

The court's decision, issued Feb. 28, involved the case of Wells H. Keddie, former assistant professor of labor studies at the University. A University Ad Hoc Tenure Review Committee recommended in June, 1971, that Dr. Keddie not be granted tenure, and he was terminated in June, 1972.

Dr. Keddie subsequently brought suit against the University, charging that the Ad Hoc Committee's decision penalized him for his political and other extramural activities and therefore violated his constitutional rights. He had been active in political and student causes, serving as a member of a number of organizations and as faculty adviser to Students for a Democratic Society and to the Ad Hoc Committee for Student Rights.

Defendants in the case were President John W. Oswald, Dean Stanley F. Paulson of the College of the Liberal Arts, and the five members of the Ad Hoc Committee.

In his decision, Judge Sheridan found that the Ad Hoc Committee did not base its decision to recommend denial of tenure in whole or in part on Dr. Keddie's political and other extramural activities.

"The court finds that, after a thorough and impartial study of plaintiff's performance and qualifications, specifically his scholarship and professional growth, service to the University, continuing education activities, research and publications, and teaching performance, the committee unanimously decided that plaintiff's academic performance had been below the minimum necessary for retention as a tenured staff member."

In view of this finding, he said, the court "should not and will not" undertake a review of Dr. Keddie's academic performances and qualifications.

"This court," Judge Sheriden wrote, "is powerless to substitute its judgment for that of the University as to whether plaintiff's academic credentials are such that tenure should have been awarded. The judiciary is not qualified to evaluate academic performance.

"The courts do not possess the expert knowledge or have the academic experience which should enlighten an academic committee's decision. The courts will not serve as a Super-Tenure Review Committee."

In his suit, Dr. Keddie also alleged that the decision to deny him tenure and to terminate his employment was impermissibly predicated on his exercise of First Amendment rights.

But the decision said that, in view of the court's finding that the tenure denial was not based even in part on Dr. Keddie's political and other extramural activities and utterances, the court need not decide which of his activities and utterances were indeed protected by the First Amendment.

Judge Sheridan noted, however, that although academic freedom is a constitutionally protected right, "it is not a license for uncontrolled expression or activity at variance with established curricular content or job-related procedures and requirements."

Nor, he added, does academic freedom encompass activities which are internally destructive to the proper functioning of the university or disruptive of the educational process.

(Continued on page four)

PENN STATE
intercom
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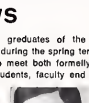
An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Five alumni to serve as Fellows

Five prominent graduates of the University will return during the spring term as Alumni Fellows to meet both formally and informally with students, faculty and staff.



Dr. Calhoun



Mr. Forrey



Dr. Berg



Mr. Casey



Dr. Lindsey

They include:

Dr. John C. Calhoun Jr., vice president for academic affairs at Texas A&M University, Fellow of the College of Earth and Mineral Sciences, Apr. 20-23.

William C. Forrey, director of the Pennsylvania Bureau of Parks, Fellow of the College of Health, Physical Education and Recreation, Apr. 25-29.

Dr. Paul Berg, Willson Professor of Biochemistry at Stanford University Medical School, Fellow of the College of Science, Apr. 25-29.

Samuel B. Casey Jr., president and chief executive officer of Pullman, Inc., Fellow of the College of Business Administration, May 3-6.

Dr. Margaret Lindsey, professor of education at Teachers College, Columbia University, Fellow of the College of Education, May 4-7.

The Alumni Fellows program was established in 1973 to bring outstanding alumni, leaders in their fields, back to Penn State to share their expertise in discussions with the academic community.

Thus far, 25 alumni have participated in the program.

News in brief

Phi Beta Keppe talk

Dr. Wayne Andrews, Archives of American Art Professor at Wayne State University, will deliver the annual Phi Beta Kappa lecture, "The Age of Stanford White," at 4 p.m. Monday, March 22, in Kern Auditorium.

Dr. Andrews is the author of five books, including "Architecture, Ambition and Americans," "Germaine: A Portrait of Mme. de Stael," "Siegfried's Curse: The Germen Journey from Nietzsche to Hesse," "Architecture in New England" and "American Gothic."

A graduate of Harvard, Dr. Andrews earned his Ph.D. at Columbia. Prior to joining the faculty at Wayne State in 1964, he was curator of manuscripts for the New York Historical Society and an editor at Charles Scribner's Sons.

Dr. Andrews will be on campus March 21-24 under the sponsorship of the Institute for the Arts and Humanistic Studies and Phi Beta Kappa. Arrangements for meeting with him are being handled by Prof. Daniel Walden (865-1989).

Donkin nominations esked

The committee appointed by President Oswald for the purpose of recommending candidates for the McKay Donkin Award requests assistance in nominating persons eligible for the award.

The award was established in 1969 in honor of the late McKay Donkin, who served as vice president for finance and treasurer of the University from 1957 to 1968. It is to be presented to the full-time member of the faculty or staff or the retiree who has contributed most to the "economic, physicel, mental or social welfare of the faculty" of the University.

The contribution of the nominee should be for duties or services which are above and beyond his regularly assigned duties. The award consists of $500 and a certificate. Previous recipients include William G. Mather, Ernest B. McCoy, Samuel C. Blezer, Eugene Wettstone, Kanneth L. Holderman and Patricie Ferrell.

Recommendations for the award should be sent to any member of the committee by Wednesday, April 7. Supporting information must be included.

Committee members are James M. Beattie, Room 201 Agricultural Administration Bldg.; John J. Cehir, Room 511 Delke Bldg.; and Rey T. Fortunato, Room 106 Willard.

St. Patrick's Candlelight Dinner

St. Patrick's Day will be celebrated at the HUB Terrace Room with two candlelight dinners from 4.45 to 7.15 p.m. Friday and Saturday, March 19 and 20. Featured on the menu are chicken cordon bleu, stuffed pork chops with herb dressing, prime rib of beef a jus, Irish stew with dumpling, seafood O'Brien and roast veal with mint sauce. There will be the usual assortment of vegetables, salads and desserts, plus a hospitality table and live entertainment.

Hetzel, Welker nemes due

Nominations for the Ralph Dorn Hetzel Memorial Award and the Eric A. Walker Award presented to graduating seniors at the spring term commencement exercises have been requested by Jane E. McCormick, assistant to the vice-president for student affairs.

The nomination deadline, Miss McCormick explains, is March 31. Nomination forms are available at her office, 235 Boucke Bldg.

The Hetzel Award, supported by income from funds given by the late Mrs. Ralph Dorn Hetzel, in memory of her husband, the tenth president of the University, is presented each year "to the senior class member, man or woman, whose achievement scholastically and in other activities of college life gives the highest promise of that kind of useful citizenship in national life expounded by President Hetzel."

The Eric A. Walker Award, supported by Dr. Eric A. Walker, who served as 12th president of the University from 1956 to 1970, is a trophy with the recipient receiving a replica of the original on which names of recipients are engraved.

The award was established "to recognize, during the academic year of graduation, a senior student whose activities and achievements have enhanced the public esteem end renown of The Pennsylvania State University."

Fact cards ready

New 1975-76 Penn State fact cards are now available from the Office of University Relations, 301 Old Main (865-2501). The cards briefly summarize information about the University's history, enrollment, organization, facilities, tuition, continuing education and cooperative extension services, and research and graduate studies.

Pitt holds representation elections

Elections were held on March 9 at the University of Pittsburgh to determine whether faculty at that University would adopt collective bargaining. Elections were conducted within four faculty units determined appropriate by the Pennsylvania Labor Relations Board. Results in three of the elections are final, while a fourth apparently will require a run-off election.

The Provost's area

In the election for the faculty in the school within the University Provost's area, the largest of the four voting units, none of the options on the ballot received a majority of the votes cast. With 88 percent of the eligible faculty voting, the results of the election were as follows:

	Votes	Percent
No Representation	544	48.4
Pitt Professional Union (PPU/AFT)	239	21.2
Pennsylvanie Stete Education Association (PSEA/NEA)	115	10.2
American Association of University Professors (AAUP)	228	20.2

In addition, there were 64 challenged ballots to be resolved this week. These were primarily ballots cast by individuals whose names did not appear on the voting rosters and whose eligibility to vote must be determined. Resolution of these challenged ballots could effect whether there must be a run-off election, and, if so, which of the unions (either the Pitt Professional Union or the AAUP) would be pitted against no representation. A union must receive 50 percent plus one of the votes cast in order to be elected, while no representation need only attain an even 50 percent.

Health Professions

In the election for faculty in the schools of the health professions, excluding the medicel and dentel schools, 93 percent of the eligible faculty voted. No representation received 122 (57.1 percent) of the votes cast, while AAUP and PSEA received 61 (28.5 percent) and 31 (14.4 percent) votes respectively.

Law School

In the seperate election for the faculty in the University's Law School, collective bergaining was defeated by a vote of 12 to 8, with all members of the faculty participating in the election. In this election,

(Continued on page four)

PENN STATE COLLECTION

Faculty notes



Prof. Bland

Richard E. Bland, associate professor of engineering research, has received a 25-year service award from the University. A native of Warren, O., Prof. Bland obtained a B.S. degree from Hiram College and his M.S. from the University of Michigan. Before coming to Penn State, he was an engineer at Warner and Swasey Co. of Cleveland, O., and before that served for two years with the U.S. Air Force.

Prof. Bland's research efforts have centered around underwater acoustics, noise and vibration control, and hydrodynamics. Currently, he is operations officer for the Applied Research Laboratory.

Dr. Gordon N. Fleming, professor of physics, has been invited to present a seminar at Queens College, CUNY, on March 22. He will discuss "The Quantum Pathology of Unstable Particles." Dr. Fleming is a specialist in theoretical high energy physics.

Two promotions have been announced at the University. **Rebecca H. Hotman** has been named an assistant professor of marketing in the College of Business Administration and **Thomas T. Werner** has been appointed assistant professor of meteorology in the College of Earth and Mineral Sciences.

A selection of work by **Lanny Sommese,** associate professor of art and head of graphic design in the Department of Art, will be included in the permanent collection of the Library of Congress. Mr. Sommese will provide a representative crosssection of the posters and other commissioned works he has produced. A member of the faculty since 1970, he holds a master of fine arts degree from the University of Illinois and bachelor of design and bachelor of fine arts degrees from the University of Florida.

Dr. Betty van der Smissen, professor of recreation, was the recipient of the Hedley S. Dimock Award at the National Convention of the American Camping Association held in Philadelphia March 2-6. Previous recipients of this award, given to individuals who have made significant contributions to the field of camping through related fields, include Gen. Abraham Ribicoff, William D. Rackelmann, Stewart Udall, Sigurd Olson and Julian Smith. Dr. van der Smissen was cited for her contributions to camping standards and research and her publications in outdoor education, outdoor programming and legal aspects of program activities.

Boris Dynin, a recent exile from his native Russia, is a Visiting Fellow of the Institute for the Arts and Humanistic studies during the spring term. A specialist in the philosophy, methodology, sociology and psychology of science, Dr. Dynin was a senior researcher at the Institute of Philosophy of the Soviet Academy of Science. He is teaching a course titled, "Marxism, the West and Contemporary Russian Thought" (Humanities 198), tracing the development of Russian thought, the internal conflict between Russian thought and values and the different perceptions of Russian thought in the West.

Dr. C. Wayne Bardin, professor of medicine and chief of endocrinology at Hershey, has been selected to receive a Macy Faculty Scholar Award for 1976-77. The award, presented by the Josiah Macy Jr. Foundation, is a competitive fellowship for senior medical faculty to provide the opportunity to foster intellectual renewal in a setting other than the recipient's medical school. Dr. Bardin will use his fellowship to study at the National Institutes of Health.

Dr. John Hayes has retired after 35 years on the faculty of the Department of Chemistry. He joined the department as an instructor in 1941 after obtaining M.S. and Ph.D. degrees at the University and was promoted to assistant professor in 1943 and associate professor in 1948. A native of Wisconsin, he obtained the B.S. degree at the University of Wisconsin.

Dr. Hayes is a specialist in analytical chemistry and the author of numerous scholarly papers on that research topic. He has also published on educational techniques in chemistry and developed new chemistry courses for a wide variety of students. In 1964 and 1970, he served as a collaborator in the preparation of the American Chemical Society's Quantitative Analysis examination. In 1966, he visited Aligarh Muslim University in Uttar Pradesh, India, where he taught for six weeks in a special Mathematics-Science Institute sponsored by the Ohio State University. Active in University affairs, he served on the University Faculty Senate and was chairman of the Academic Standards Committee for four years. He is a member of the American Chemical Society and served as secretary, vice chairman, and chairman of the Society's Central Pennsylvania section. He also served as a member of the Executive Committee of the Pennsylvania Association of College Chemistry Teachers. In the Department of Chemistry he was a member of the Curriculum Committee.

Two faculty members in the Department of Art Education, assistant professor **Albert A. Anderson Jr.** and associate professor **David B. Van Dommelen,** have been invited to teach at Arrowmont Crafts School in Gatlinburg, Tenn., during the 1976 Summer Session. Dr. Anderson teaches metal crafts and Mr. Van Dommelen, fiber crafts. Arrowmont Crafts School is a world famous crafts school which was established in 1912 by Pi Beta Phi, a national sorority, to enrich the life of the mountain craftsmen in Tennessee. In past years students and teachers have come from efi parts of the world in the fellowship and artistic companionship. The school is associated with the University of Tennessee's College of Home Economics and offers courses in all the contemporary crafts.

Dr. David B. Geselowitz, professor and head of bioengineering, has been appointed chairman of the committee on electrocardiography of the American Heart Association for a three-year term. The ten-member committee recently completed a set of recommendations for the standardization of electrocardiograms and the specification of instruments, and expects to direct much of its effort in the near future to developing standards for electrocardiographic aspects of patient monitoring such as occurs in hospital intensive care units, in transmissions from emergency ambulances and in stress testing.

Dr. John C. Johnson, director of the Applied Research Laboratory, arranged and presided over a symposium at the 142nd annual meeting of the American Association for the Advancement of Science in Boston last month. The symposium was entitled, "Putting Science to Work through University/Industry Interection." Theme of the meeting was "Science and Our Expectations: Bicentennial and Beyond."

Dr. Delfa M. Roy, professor of materials science, has been appointed chairman of the first Gordon Conference on basic research in cement chemistry to be held in Plymouth, N.H., July 18-23. Scientists from the United States and 12 foreign countries will participate in the conference, which is titled, "Solid-Liquid Interactions In Cement Hydration." Much of Dr. Roy's research effort has dealt with the basic chemistry of cement and was at first directed to understanding high temperature reactions in formation of anhydrous cement compounds. More recently, her research has been concerned with hydration reactions at room temperature and elevated temperetures and pressures, and with the development and characterization of microstructuras, areas closely related to the subject matter of the conferance.

Dr. John J. Docherty, assistant professor of microbiology, presented e seminar at the National Institutes of Health in Bethesda, Md., last week on Comparative Diagnostic Aspects of Herpes Simplex Virus Tumor Associate Antigens. The research was done wiih Dr. Mary Nottar, e post doctoral scholar working in Prof. Docherty's laboratory.

Dr. Tony A. Mobley, professor and head of the Department of Parks and Recreation, has been named dean of the School of Health, Physical Education, and Recreation on the Bloomington Campus of Indiana University, effective July 1. Before his 1972 appointment at Penn State, Dr. Mobley was chairman of the Department of Recreation and Park Administration at Western Illinois Univarsity. In 1970, ha was selected for the Academic Administrative Internship Program of the American Council on Education and spent a year in the Office of the Chancellor of North Carolina State University. His mastar of science and doctor of recreation degraes ware granted by Indiana. Ha also earned a master of religious education degree from Southern Seminary, Louisville, Ky., and tha bachelor of science degree from Georgetown College, Georgetown, Ky.

Hubert H. Smith, assistant professor of aerospace engineering, will participate in the 1976 National Business Aircraft Meeting and Engineering Display of the Society of Automotive Engineers which will be held in Wichita, Kansas, April 6-8. Ha will present a paper entitled, "Minimum Time Flight Trajectory Optimization for Piston-Engine-Powered Airplanes," during a session on Research, Development and Experimental Aircraft.

Dr. Gayle H. Davidonis, assistant professor of biology at Wheaton College, has been named research assistant in the Pesticide Research Laboratory at the University. A graduate of the University of Illinois, he received her M.S. and Ph.D. degrees from the University of Chicago and served on the faculty there as well as at Roosevelt University in Chicago. Dr. Davidonis's research has been in the field of plant physiology and plant development and resulted in the first isolation of allelopathic compounds in ferns.

Four members of the cultural foundations of education faculty at the University presented papers at a joint meeting of the International Studies Association and the Comparative and International Education Society last month in Toronto, Canada. Dr. **Beverly J. Lindsay,** assistant professor of education, spoke on "Social Factors Influencing Kenyan Women's Career Choices: Some Preliminary Findings," and Dr. **Joseph V. Alessandro,** professor of education, read a paper analyzing educational reforms in Peru. Dr. **Francis R. McKenne,** associate professor of education, discussed "Language Patterns of Uzbek Peoples of the U.S.S.R." and read a paper by Dr. **Yoshimitsu Takei,** assistant professor of education and sociology, on "Theoretical Issues in Studying Ethnic and Racial Relationships in Political Processes."

In print

A new book, "The Wiley Reader: Design for Writing," has been co-authored by Dr. **Caroline D. Eckhardt,** assistant professor of English and comparative literature, **James F. Holahan,** associate professor of English; and Dr. **David H. Stewart,** a former head of the English department. It was published by the College Division of John Wiley & Sons. A member of the faculty since 1971, Dr. Eckhardt is a graduate of Drew University and received her M.A. at Indiana University and her Ph.D. in comparative literature at the University of Michigan. Mr. Holahan is a 1959 graduate of the University with e B.A. in arts and letters. He joined the faculty in 1964.

Dr. William J. Dulker, associate professor of history, is the author of "The Rise of Nationalism in Vietnam, 1900-1941," published by Cornell University Press.

The book charts the development of the Vietnamese nationalist movement from its origins to its maturity in the 1920s and 1930s.

Dr. Duiker describes the evolution of tha anti-French resistance movement prior to World War II and relates the development of Vietnamese nationalism to the changing nature of Vietnam's response to the challenge of Western culture.

Founding his conclusions on source material in several languages, he shows that b '941 the major characteristics of nationalism had been established with communism firmly entrenched as the most potent political force opposed to French rule,

"In committing its influence and its power in the defense of non-communist forces in Vietnam," Dr. Dulker argues, "the United Statas was attempting to reversa the trend of history. As recent events in South Vietnam have confirmed, the non-communist forces in Vietnam never possessed the organization or will to guarantee the survival of e non-communist state in Vietnam."

Dr. Dulker, who received his Ph.D. from Georgetown University, was a foreign service officer with the State Department in Saigon in the mid-1960s.

Dr. Jeenne Chenault, associate professor of art history, has written the text and catalogue raisonne and compiled an extensive chronology and bibliography for an illustrated catalogue of paintings by Bradley Walker Tomlin, published jointly by Hofstra University and the Albright-Knox Gallery in Buffalo. The catalogus on Tomlin, an American abstract expressionist peinter, illustrates eli his extent work, including much that has never before been published. Hitherto unpublished archival documantetion is also incorporated. A year-long Tomlin exhibit opened at Albright-Knox and will travel to Hofstra, the University of Nebraska and the University of California at Berkeley. Dr. Chenault joined Penn State's faculty in 1974. She holds a B.A. from Bernard College and her M.A and Ph.D. from the University of Michigan. She is currantly conducting research on the Spanish Baroqua painter, Ribera.

Although intervention by military forces in the government of Pakistan is always a possibility, the long range prospect in that country is for regimes which are likely to be more representative of the rising middle class.

This is the conclusion of **Dr. Robert LaPorte Jr.** in a new book, "Power and Privilege. Influence and Decision-Making In Pakistan," which was published by the University of California Press.

Professor of public administration and assistant director of the Institute of Public Administration, Dr. LaPorte obtained the data bace for his book in the course of conducting more than 75 interviews both here and in Pakistan. His subjects included U.S. officials, businessmen and research consultants identified with such agencies as the U.S. Department of State and the Agency for International Development. He also interviewed officials at international agencies and foundations. All respondents were selected for interview because of their high level access to and experience with Pakistani decision-makers. Interview data was supplemented by extensive intention of pertinent government and other reports and publications.

Dr. LaPorte's examination of decision making focuses on the areas of manpower and resource allocation, and he looks at the relative contributions of prominent political, economic and government-based groups in Pakistan. The time span studied runs from 1947 through 1973, with particular emphasis on the last two years of this period.

A member of the faculty since 1966, Dr. LaPorte is the co-author of an earlier book, "Cultivating Revolution," an analysis of egrarian reform policies and movements in Latin America.

Obituary

Dr. Wayne A. Lee, professor of marketing end head of the business program at Capitol Campus, died Feb. 29. Prof. Lee began teaching at Capitol Campus in 1968. Earlier, from 1946 to 1960, he taught at University Park where he was e professor of marketing in the Department of Agricultural Economics and Rural Sociology.

University Park Calendar

March 18—28

Items to be included in this calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, March 18
Commons Videotape, 12 noon, Kern lobby.
Friday, March 19
St. Patrick's Day Candlelight Dinner, 4:45-7:15 p.m., HUB Terrece Room.
Artists Series, Misha Dichter, pianist, 8:30 p.m., University Auditorium.
Weiler Wells, baritone, and Paul Ferrone, piano, 8:30 p.m., Music Bldg. recital hall.
Saturday, March 20
Sports: Ice Hockey, vs. University of Delaware (rematch), 7:30 p.m.
St. Patrick's Day Candlelight Dinner, 4:45-7:15 p.m., HUB Terrace Room.
Faculty Club Dance, 8 p.m., Room 101 Kern.
Sunday, **March 21**
Chapel Service, 11 a.m., Eisenhower Chapel. Mary E. Marks, senior.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Elder Harold McKenzie, Children's Choir.
Shavers Creek Nature Center, Maple Sugaring, 1-3 p.m.; Historic Walk — Reading the Landscape, 3 p.m., Mineral Industries Bldg., Stone Valley.
Dave Billings, organ, 3:30 p.m., Music Bldg. recital hall.
Penn State and Ohio State Glee Clubs, 8:30 p.m., Music Bldg. recital hall.
Monday, March 22
Wolfgang Fior, artist-in-residence, 9 a.m.-4 p.m., Kern lobby.
Jerome Pesto, associate dean, College of Agriculture, recreates talk by Evan Pugh, 8 p.m., Keller Bldg. auditorium.
Russel Shipley, clarinet, 8:30 p.m., Music Bldg. recital hall.
Tuesday, March 23
Sports: Women's lacrosse, vs. Centrel Penn and British Universities, 3 p.m.
Jerome Pesto, associate dean, College of Agriculture, recreates talk by Evan Pugh, 4 p.m., Keller Bldg. auditorium.
GSA Garden Plot Workshop, 7:30 p.m., Room 112 Kern.
Artists Series, Preservation Hall Jazz Band, 8:30 p.m., Recreation Bldg.
Wednesday, March 24
Sports: Women's basketball, AIAW Tournament. Women's lacrosse, vs. Lock Haven and British Universities, 2 p.m.
Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.
Thursday, March 25
Sports: Women's basketball, AIAW Tournament.
Workers' Day "Student-Trede Union Conference," HUB assembly room and ballroom.
Thursday-Friday, March 25-26
Delaware County Campus, 3rd Conference of the Colloquium for Social Philosophy, on "Revolution Revisited."
Friday, March 26
Sports: Women's basketball, AIAW Tournament.
Percussion Concert, 8:30 p.m., Music Bldg. recital hall.
Saturday, March 27
Annual Faculty-Staff-Grad Student Swim Marathon, beginning 7 e.m., Natatorium.
Sports: Women's basketball, AIAW Tournament. Finals at 2, 4, and 7 p.m.
Faculty Women's Club social, 9 p.m., Room 102 Kern.
Sunday, March 28
Chapel Service, 11 a.m., Eisenhower Chapel. A reflection through word, song and dance by Tenner, Coleman, Boyer and the University Chapel Choir.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Elder John Loyd, Jr., Black Christian Fellowship Mass Choir.
Colloquy program, "White Roots of Peece: Tracing Our Indian Heritege," ell day, 1st floor HUB.
Shavers Creek Nature Center, Indoor House Plant Workshop, 3 p.m., Mineral Industries Bldg., Stone Velley.
Katherine Kello, oboe, 3:30 p.m., Music Bldg. recital hall.
PSU Gifts and Endowments Telethon, 6 p.m., Room 101 Kern.
The Hampton Institute Choir in Concert, 8 p.m., Schwab.

Seminars

Thursday, March 18
Chemistry, 12:45 p.m., Room 333 Whitmore. Sheldon Detz, Oak Ridge National Labs., on "Electron Transfer Reactions."
Air Pollution Control, 2:20 p.m., Room 145 Fenske. Paul H. Herris, Meteorology Research, Inc., on "Fugitive Aerosols in the Urban Environment."
Populations Issues Research, 2:30 p.m., Room 244 Deike. Dr. Thomas Burch, Western Ontario University, on "Household Data and the Persistence of the Extended Family."
Physics, 3:50 p.m., Room 117 Osmond. Dr. Douglas Osheroff, Bell Telephone Labs., Murray Hill, on "Magnetic Properties of Superfluid He^3."
Mathematics, 4 p.m., Room 116 McAllister. Dr. Isadore Singer, MIT and the Institute for Advanced Study, on "Elliptic Operators on Non Compact Covering Spaces."
Microbiology and Cell Biology, 4 p.m., Room S2 Frear. William M. Spire, Food Microbiology Lab., U.S. Army Netick Development Center, on "The Role of Enterotoxin Production in 'Bacillus Cereus' Physiology."
Meteorology, 4 p.m., Room 26 Mineral Sciences. Dr. Tsenn-Weng Yu, Techniques Development Lab., NOAA, on "Numerical Study of the Atmospheric Boundery Leyer."
Ceramic Science, 11 a.m., Room 301 Mineral Industries. Kenl Bowen, metallurgy and materials science, MIT, on "Grain Growth In Ceramics."
Air Pollution Control, 2:20 p.m., Room 145 Fenske. Paul H. Harrison, Meteorology Research, Inc., Altadene, Cal., on "Fugitive Aerosols in the Urban Environment."
Agronomy, 4 p.m., Room 111 Tyson. George A. May on "Application of Landsat-1 Date for Land Cover Mapping."
Computation Center, 7:30 p.m., Room 198 Forum. (2).
Friday, March 19
Ecology, 4 p.m., Room 112 Kern. Dr. Fred L. Knopf on "Spetial, Temporal Aspects of Colonial Nesting of the White Pelican."
Physical Chemistry, 4 p.m., Room 333 Whitmore. J. H. Nibler, University of Oregon, on "Laser Spectroscopy of Matrix Isolated Molecules."
Aerospace Engineering, Fuel Science and Mechanical Engineering joint seminar, 4 p.m., Room 215 Hemmond. Dr. Normen R. L. Maccallum, senior lecturer, Glesgow University, on "Swirling Flemes in Furnaces: Aerodynamics and Fleme Stebilization."
Monday, March 22
New Communities, Architecture, 2 p.m., Room 322 Sackett. Dr. Helmut Landsberg, meteorology, University of Maryland, on "Planning for Habitable Micro- and Micro-Climate in Arid Regions."
Computation Center, 7:30 p.m., Room 108 Forum. APL (3).
Organic Chemistry, 8 p.m., Room 333 Whitmore. William A. Shores on "Charge Affinity Inversion Operators."
Tuesday, March 23
Analytical Chemistry, 12:45 p.m., Room 445 Davey. J. A. Clark on "Oil Sample Identification and Typing."
Solid State Physics, 1 p.m., Room 339 Davey. Dr. F. H. Fenton, Applied Research Lab., on "Solitons, a Phenomenological Review of Their Properties with an Assessment of Their Potential Application to Acoustics and Solid State Phenomena."
Engineering Mechenics and Acoustics joint seminar, 4 p.m., Room 323 Hammond. Christopher Gerding, greduete assistant, "Spectroscopy science and mechanics, on "Acoustic Radiation Fields with Mixed Boundary Conditions."
Inter-Science, 4 p.m., Room 333 Whitmore. William Paul, Laboratory of Immunology, National Institutes of Allergy and Infectious Diseases, on "X-Linked Control of Activation of Thymus Independent Lymphocytes."
Thursday, March 25
Chemistry, 12:45 p.m., Room 333 Whitmore. William A. Chupka, Yale University, on "Photoionizetion of Gases and Studies of Chemi-ionization and Ion-Molecule Reactions."
Physics, 3:30 p.m., Room 117 Osmond. Dr. Morton Sternheim, University of Massechusetts, on "Pion-Nucleus Interactions."
Air Pollution Control, 2:20 p.m., Room 145 Fenske James W. Chester, Department of Environmental Resources, Wilkes-Barre, on "Lead Contamination — a Case History."
Agronomy, 4 p.m., Room 111 Tyson. Larry Hepner on "Soil Inventory System for Land Use Planning."
Microbiology and Cell Biology, 4 p.m., Room S2 Frear, Reinaldo F. Gomez, nutrition end food science, MIT, on "DNA Damage end Repair in Thermolly Injured Salmonella Typhimurium."
Meteorology, 4 p.m., Room 28 Mineral Sciences. Dr. Jerome Spert, earth and planetery sciences, City University of New York, on "Response of the Atmosphere to Sea Surface Temperature Anomalies."
Computation Center, 7:30 p.m., Room 108 Forum. APL (4).
Friday, March 26
Geosciences, 11 a.m., Room 244 Deike. Dr. Yoshio Takeuchi, University of Tokyo, on "Crystal Chemistry of Silicate Minerals."
Physicel Chemistry, 4 p.m., Room 333 Whitmore. C. Hertzell, biochemistry.

Lectures

Thursday, March 18
William Elliott Invitetional Conference, public lecture, Welter W. Heller, Regent's Professor of Economics, University of Minnesote, on "The Economic Environment for Business," 10 e.m., Keller Bldg. auditorium.
Friday, March 19
College of Business Administration end the University Committee on Internetional Programs present Professor Mitchell Brooke, University of Menchester, on "Policies and Strategies on Europeen Multinetional Companies," 12:45 p.m., Room 101 Althouse.
Monday, **March 22**
Priestley Lecture, Henry Taube, Stenford University, on "Intremolecular Electron Transfer," 8 p.m., Room 105 Forum.
Phi Beta Kappa Lecture, Dr. Weyne Andrews, ert history, Wayne State University, on "The Age of Stenford White."
Tuesday, March 23
Priestley Lecture, Henry Teube on "Mixed Velence Complexes," 8 p.m., Room 105 Forum.
Wednesday, March 24
Priestley Lecture, Henry Teube on "Back-Bonding in 'Classical' Complexes," 8 p.m., Room 108 Forum.
Thursday, March 25
Priestley Lecture, Henry Teube on "Manifestetions of Beck-Bonding in the Chemistry of Ruthenium end Osmium Ammines," 3 p.m., Room 108 Forum.

University schedule

Monday, March 22
Late registration deadline.
Add deadline.

Films

Monday, March 22
Free Shakespeare film, "A Midsummer Night's Dream" (Diana Rigg, Peter Hall), 6:30 p.m., Room 101 Chambers.
French Film Series, "Zero for Conduct," 7 end 9 p.m., Room 112 Kern.
Tuesday, March 23
Free Shakespeare film, "A Midsummer Night's Dream" (Diana Rigg, Peter Hall), 6:30 p.m., Room 101 Chambers.
Saturday, March 27
Hillel Foundation film, "Diery of Ann Frenk," 8 p.m., HUB assembly room.

Exhibits

Museum of Art: Recent Works by Stuert Frost.
Zoller Gallery: Stuart Frost in Retrospect.
Item Gallery: William Davis, drawings, until March 23. After Images (photo-journalism). R. Logan Harrison, photography, opening March 24.
Chambers Gallery: Joelynn Snyder Ott, drawings. Lawrence Jorden, ceramics.
HUB Gallery: Selections from the Permanent Collection.
HUB Main Lounge: Americana in the Netherlands (Norwegian Information Service).
Pattee Library: Main Lobby — "The Library: Past, Present and Future," by Lee Stout, Penn State Collections. East Corridor Gallery — Drawings and Paintings by Janet Gallagher. Lending Services Lobby — Portraits by Sally Alexander.

Arts roundup

Glee Clubs combine voices

The Ohio State University Glee Club and the Penn State Glee Club will perform a duo concert at 8:30 p.m. Sunday, March 21, in the Music Bldg. recital hall. The Penn State group, recently returned from its annual spring performance tour — this year in southern and southeastern Pennsylvania — will sing the first section of the program. Directed by Bruce Trinkley, assistant professor of music, the Glee Club will perform two whole songs based on Melville's "Moby Dick": "You May Bury Me In the East" and "In That Great Gettin' Up Mornin'," and selections from the Pennsylvania Bicentennieil Wegon Trein Show co-written and arranged by Mr. Trinkley.

The 50-voice Ohio State Glee Club, directed by Norman Stelger, will perform a selection of pieces from its tour repertoire. The group hes toured end performed widely. The joint concert will include with the two groups' performence, directed by Mr. Steiger, of "A New Heart Will I Give You" by John Hess Beck. The work, with a text from "Ezekiel," was written for end dedicated to the Ohio State Glee Club.

Photos, drawings on exhibit

Photogrephs by Lenny Sommese, essociete professor of ert, and prints and drewings by William Devis, assistent director of the Museum of Art, are on view through March 23 in the Commons Gallery of Kern Greduete Bldg. The 28 recent color photogrephs by Mr. Sommese were teken in Nessou, Palm Beach and Key West. Mr. Devis's prints and drawings were exhibited previously at the Westmoreland County Museum, Greensburg, end will be shown March 28 through April 22 in the Kipp Gellery et the Indiene University of Pennsylvanie.

Alard to perform March 24

Three 16th century Spanish pieces written originelly for vihuela, e lute-like instrument, will open the concert by the Alard String Quartet at 8:30 p.m., Wednesdey, March 24, in the Music Bldg. recital hall. Arranged by Denis Stevens, a former University faculty member now at the University of Californie at Sente Barbera, two of the pieces are by Cebezon; end the composer of the third, "Fentasie VIII de Vihuela," is unknown.

Works by Grieg, Gershwin and Vaughen-Williams have also been selected for performence by quertet members Joenne Zegst and Donald Hopkins, violin; Reymond Pege, viole; end Leonerd Feldman, cello. Grieg's "Quertet in G Minor," opus 27, was very popular in the early 1900s and its recent revival coincides with renewed interest in Romantic music. George Gershwin's "Lullaby for String Quertet," published posthumously, was not performed publicly es it was written until a 1967 Library of Congress concert by the Juilliard Quartet. Vaughan-Williams' "String Quertet in A Minor" will complete the concert.

American art course

A special five-part Continuing Education course, "Art in America: A Survey of 200 Years," will be offered by Walton J. Lord, associate professor of art history, beginning Tuesday, March 23, on five successive Tuesdays from 7:30 to 9:30 p.m. in Ketter Bldg.

Lecture topics include: Art in America prior to the Declaration of Independence; The Arts of the Early Republic, 1800-1840; The Emergence of an American Art, 1870-1890; Revolt and Change in American Art: Transition to Modern Styles; and American Art in the Contemporary World: From Colonial to Imperial Status.

Further information about the course is available from Continuing Education at 865-3443.

Preservation Hall ticket sale

Tickets are still available for the Artists Series-sponsored Preservation Hall Jazz Band, which will perform at 8:30 p.m. Tuesdey, March 23, in Recreation Bldg. The tickets may be purchased at the Artists Series' HUB booth or at University Auditorium from 9 e.m. to 4 p.m. All tickets are priced et $2.50, and there will be no reserved seats.

Prof. Verene helps spark latest Vico scholarly renaissance

He influenced Coleridge, Goethe, Comte, Yeets, Marx and Edmund Wilson. James Joyce said of his work: "My imagination grows when I read (him) as it doesn't when I read Freud or Jung."

But despite this kind of testimony, for most of the 300 years since his birth, Giambattista Vico has remained an obscure Neapolitan Intellectuel. Herbert Reed called him "the most unacknowledged source of ideas in the history of philosophy."

"Vico is a figure whom a great number of important people have read," says Penn State associate professor of philosophy Donald P. Verene, "and he's had a great effect on many of his readers. Yet he has remained relatively unknown and has always had to be rediscovered by scholars in different eges."

French scholars of the 19th century were excited by Vico, and early 20th century Italians rediscovered his works. The latest Vico renaissance has come in the English-speaking world, and early this year interest was focused by a major conference and an important new volume — all devoted to Vico's contributions to modern society.

Dr. Verene is co-editor and a contributor to the volume called, "Giambattista Vico's Science of Humanity," published by the Johns Hopkins University Press. The book's other editor is Giorgio Tagliacozzo, who also conceived and arranged the Vico conference, held last Jan. 27 to 31 at Columbia University. Dr. Verene delivered a major paper there.

"The purpose of the book and the conference has been to create a new basis for the interpretation of Vico's thought," Dr. Verene explains. "I think people in the humanities and social sciences have become interested in Vico because he somehow speeks to us today more than many of our contemporary writers."

What is the secret of the 17th century seventi's success?

Dr. Verene's explanation is: "We're living in en ege when everyone is thinking in specialized weys and our culture has become fragmented. Vico, on the other hand, wes e holistic thinker. He gives us e vision of how human culture originates, develops and can be held together, and this vision seems to suggest imeginative new ways of rethinking the fragmentation of our own culture and knowledge.

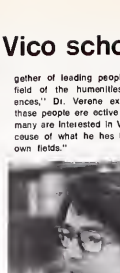
"Imegination plays e key role in Vico's philosophy," Dr. Verene continues. "His key idee was something he calls 'imeginative universals,' which are ways of forming concepts of things through the powers of the imagination."

Dr. Verene's papers for both the book and the conference deal with Vico's uses of the imagination. He contends that Vico's thought contains the basis for a humanistic theory of knowledge and for a philosophy of the humenistic disciplines.

"We have a philosophy of science," he says, "but a counterpart for this, a philosophy of the humanities, has not developed. I think that Vico may give us the foundation for developing a genuine philosophy of the humanities."

But the Vico renaissance is not limited to philosophers. Contributions for both book and conference were made by scholars from many other disciplines — linguistics, literature, history, education, psychology, psychiatry, rhetoric and sociology.

"What we really have is a coming together of leading people in almost every field of the humanities and social sciences," Dr. Verene explains. "Some of these people are active Vico scholars, but many are interested in Vico principally because of what he has to say about their own fields."



Dr. Verene

Among the participants at the conference were Sir Isaiah Berlin, who acted as commentator on Dr. Verene's paper, Max Fisch, Noam Chomsky, Sir Edmund Leech, Heyden White, Lawrence Kohlberg, Leon Pompa, Ernesto Grassi and Myer Schapiro. Some of these participants are also contributors to the new volume.

One of the curious things about the conference was that no one was paid to participate," Dr. Verene notes. "Yet all these people came and, in addition, there were 300 to 400 spectators at each session, ranging from students to very distinguished members of the academic world.

"I think it was the kind of event Vico would have liked."

It was certainly not the kind of event the Neapolitan would have inspired in his own time. Giambattiste Vico's life was plagued by failure.

"He actually had trouble supporting himself," Dr. Verene explains. "His only official position was as 'Professor of Latin Eloquence' at the University of Naples, a job which paid so poorly that most of the time Vico was forced to be a sort of practicing rhetorician, writing inscriptions and funeral poems for wealthy families and politicians — work without intrinsic literary interest.

"He was regularly passed by for appointments that would have given him a better living, and in his own time he was never widely recognized as an important scholar."

That recognition may be coming at last for Vico with Tagliacozzo and Verene's new volume and publishers clamoring for rights to the conference papers.

"There have been so many requests for the papers from journals that we don't exactly know how to begin to deal with them," Dr. Verene reports.

In addition to his work with Vico, Dr. Verene is the author of articles and essays on the philosophy of Hegel, Cassirer's philosophy of symbolic forms, and logics in the philosophy of culture. He is editor of two other volumes: "Man and Culture" (1970) and "Sexual Love and Western Mortality" (1973). Before joining the Penn State faculty in 1971, he taught at Northern Illinois University. He holds an A.B. from Knox College and his M.A. and Ph.D. from Washington University.

Pasto re-creates Evan Pugh talk

Dr. Jerome K. Pasto, associate dean for resident instruction in the College of Agriculture, will re-create a talk given by Dr. Evan Pugh, Penn State's first president, Monday, March 22, at 8 p.m. and Tuesday, March 23, at 4 p.m. in Keller Bldg auditorium.

The program, to which the public is invited, was developed by Dr. Pasto as a personal contribution to reviving America's past during the Bicentennial.

To re-create the address which Dr. Pugh originally delivered to the Cumberland County Agricultural Society in 1860, Dr. Pasto reduced the two-hour speech to 20 minutes but was careful to retain whole phrases and sentences which preserve the continuity of Dr. Pugh's thoughts. In the talk, Dr. Pugh discussed the role of science in agriculture, outlined a program of development for his young school and speculated upon the prospects for its success.

Dr. Pasto will appear in costume appropriate to the period, and the speech will be preceded by 20 minutes of slides and narrative on Dr. Pugh's extraordinary life, presented by Dr. James E. Van Horn, assistant professor of child development extension.

Although Penn State was founded to educate the sons of farmers, Dr. Pugh intended that it should eventually provide a far broader "industrial education of a scientific character." The son of a blacksmith, he himself had earned a doctorate in chemistry at Goettingen in Germany, and his research on nitrogen uptake by plants stands as a model to this day.

Dr. Pasto has already presented Dr. Pugh's speech to more than 25 audiences throughout Pennsylvenia. His programs next week are being sponsored by the College of Agriculture and the Centre County Historical Society.

Personnel conference held

The 3rd annual conference on faculty and staff personnel assigned to the Commonwealth Campuses of the University was held March 14, 15 and 18 at University Park.

The purpose of the conference was to fulfill general University policy requirements relating to the evaluation and development of personnel.

The director of each of the Campuses, accompanied by the associate director for academic affairs or assistant director for resident instruction, met with deans and heads of departments at University Park to discuss and evaluate the records and the progress of each faculty member on the Campus.

Directors also met with University administrators to discuss the work of first-line administrators on their Campuses and performance ratings.

Court rejects role

(Continued from page one)

Certain legitimate interests, the judge wrote, may limit the right of a public employee, specifically the right of a state university professor, to say and do what he pleases when there is:

— the need to maintain discipline or harmony among co-workers;

— the need for confidentiality;

— the need to curtail conduct which impedes the teacher's proper and competent performance of his daily duties;

— the need to encourage a close and personal relationship between the employee and his superiors, when that relationship calls for loyalty and confidence;

— the need to maintain a competition of different views in the classroom and to prevent the use of the classroom by a teacher deliberately to proselytize for a personal cause or knowingly to emphasize only that selection of data best conforming to his own personal biases; and

— the need to prevent activities disruptive of the educational process and to provide for the orderly functioning of the university.

Dr. Keddie's suit sought damages and declaratory and injunctive relief against the University for the alleged violation of his constitutional rights and for defamation and wrongful discharge arising from his tenure denial.

However, the court found that the University did not violate any constitutional or other legal rights of Dr. Keddie and ruled he was not entitled to damages.

Pitt election

(Continued from page one)

the contending union was the Independent Pitt Law Faculty Association.

Medical School

The only election in which a union was elected outright was in the Medical School in which 218 (62.1 percent) medical faculty voted for the Independent Faculty Association of the School of Medicine. One hundred eleven (31.6 percent) votes were cast for no representation, while 22 (6.2 percent) were for the PSEA. Only 74 percent of the eligible faculty voted in the Medical School election, the lowest percentage in any of the four elections.

According to the University's Director of Legal Services, the results in the Medical School may have been affected by a letter from the counsel for the Independent Faculty Association to the Medical School faculty the day before the election suggesting that their status as a separate unit, as agreed to by the Pennsylvania Labor Relations Board, would be best protected by the election of the Faculty Association. During the unit determination hearings for the University of Pittsburgh, the administration took the position that all schools of the University should be included in an overall voting unit.

The election run-off for faculty members in the schools in the Provost's area, required, will be conducted on Tuesday and Wednesday, March 30 and 31, with the results to be announced on Thursday, April 1.

Staff vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., March 25, 1974. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

PLANNING ANALYST, OFFICE OF BUDGET AND PLANNING — University Park

Responsible to the Division Director of Institutional Research and Planning or to a University planning specialist for portions of one or more major University policy and planning areas. Participates with a senior staff person from the Division in development of University planning policies, procedures and studies. Conducts research of pertinent literature in preparation for major policy studies. Participates in developing recommendations on strategic policy planning issues as they affect the University. Performs other duties pertinent to the continuous iterative process inherent in policy analysis and planning. A master's degree or equivalent in higher education or other related fields, such as business administration, economics, public administration, sociology, political science is required together with at least one year's directly related experience in institutional research, policy and planning activities. An earned doctorate in one of these areas would be preferred and, in such cases, a minimum of six months of directly related experience will be considered.

SENIOR PLANNING ANALYST, OFFICE OF BUDGET AND PLANNING — University Park

Responsible to the Director of Institutional Research and Planning for one or more major University planning and analysis functions; to develop University planning policies, procedures and studies; design and conduct major planning studies, make recommendations on policy and strategic considerations affecting University planning; serve as staff representative of the Office of Budget and Planning with various planning and study committees within the University; and plan and supervise development of data and preparation of special analyses and strategic planning proposals. A master's degree or equivalent in higher education or other education fields, business administration, public administration, economics or related fields is required, together with two years of appropriate and related experience. An earned doctorate in one of these areas is preferred; such cases, a minimum of one year of appropriate and related experience is required.

RECORDER, COLLEGE OF HUMAN DEVELOPMENT — University Park

Responsible to the professor in charge of Graduate Nursing Program for assisting with the development and implementation of a data system and for providing supportive services for the graduate program to the Department of Nursing. Bachelor's degree or equivalent and six to eight months of directly related experience.

GRAPHIC ARTIST, UNIVERSITY DIVISION OF INSTRUCTIONAL SERVICES — University Park

To prepare art work in the form of graphs, charts, illustrations, displays, biological and technical drawings to be used as slides, flipcharts, TV art, overhead transparencies, etc., for use primarily in the resident instruction programs. Associate degree or graduate of two year program from an art institute or equivalent in documented experience. Knowledge of television techniques and audio-visual aids is helpful.

PROGRAMMER, MANAGEMENT SERVICES — University Park

Responsible to designated project or task leader for participating in analysis, program design, coding, documenting and other programming tasks required to produce reports, make mathematical calculations or maintain information files. Bachelor's degree or equivalent in computer science or related field, plus one to two years of directly related experience.

PROGRAMMER, OFFICE OF BUDGET AND PLANNING — University Park

Under direction of a senior programmer/analyst, assists in developing program design, coding, documentation and other peripheral programming tasks required to produce management reports, mathematical computations and maintain information files. Capability of communicating with top level management personnel is essential. Bachelor's degree with training in computer-based information systems and one to two years of directly related experience in data processing required. Master's degree may be substituted for up to two years of directly related experience in appropriately related discipline.

PENN STATE intercom

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An internal communications medium for the ecedemic community of The Pennsylvenie State University published weekly during the four terms of the class schedule

Hampton choir, Ellington group in religion-arts week

Religion and the Arts Week, featuring a wide variety of music, lectures and exhibits, will be presented at the University beginning March 28. Special programs include:

Sunday, **March 28**

Reflections through Word, Song and Dance, 11 a.m., Eisenhower Chapel.

Tracing Our Indian Heritage: The White Roots of Peace, 1-5:30 p.m., HUB. This program offers discussions on the "Traditional Cultural Structure of Indian Life," 1 p.m.; "Problems with Reservations," 2 p.m.; "Wounded Knee and Treaty Violations," 3 p.m.; and "Indian Assimilation into a White Industrialized Society," 4 p.m. A videotape of Wounded Knee will be shown at 1 p.m., as well as films at 3, 3:30 and 4:30 p.m. There will be an arts and crafts demonstration at 2 p.m. in the main lounge and a crafts sale at 3:30 p.m. in the same area. Colloquy is sponsoring.

The Hampton Institute Concert Choir, 3 p.m., Schwab. The 40-member group, directed by Roland M. Carter, has a vast repertoire of vocal arrangements, including classics, spirituals and popular music. It has appeared throughout the United States and Europe, and admission to its Penn State performance is free. Sponsors are the Black Arts Festival and the Paul Robeson Cultural Center.

Monday, **March 29**

Joan Kennedy, creative dance instructor, discussion and demonstration, "A Christian in the Arts," 7 p.m., Eisenhower Chapel.

The Duke Ellington Orchestra in Concert, 8 p.m., University Auditorium. Conducted by Mercer Ellington, the orchestra will perform the Sacred Mass written by the late Duke Ellington and performed in Westminster Abbey. Sponsors are the University Concert Committee and the Paul Robeson Cultural Center.

Tuesday, **March 30**

Paul Harrison, professor of religious

(Continued on page four)

Enrollment up

A preliminary report on enrollment for the spring term indicates there are 43,323 students enrolled, exclusive of those at Capitol Campus and the Hershey Medical Center.

The incomplete figures reported as of March 12 show a gain of 945 over comparable figures of a year ago. They list 28,428 students at University Park; 13,375 at the Commonwealth Campuses; 1,342 at Behrend College; and 178 at the King of Prussia Graduate Center.

The totals also include 33,300 candidates for the baccelaureate degree; 3,188 for the associate degree; 4,436 graduate students; and 2,208 adjunct students.

Board reaffirms retirement policy

Trustees of the University approved a recommendation of the Educational Policy Committee of the Board to "reaffirm the present policy mandating retirement at age 65 and requiring that any extension on a year-to-year basis be the prerogative of the President when he deems it is in the best interest of the University."

The present policy states that "the July 1 coincident with or next following the 65th birthday shall be the mandatory retirement date for the faculty and staff of the University."

It provides, also, that under "unusual circumstances an administrative officer may request the continuance of an employee past age 65 on a year-to-year basis."

The unusual circumstances, it is emphasized, require among other things that continuation of an employee must be deemed to be in the best interests of the University.

The request for continuation beyond age 65 is initiated by the appropriate administrative officer and the decision on contin-

(Continued on page four)

Thelma Price named special assistant

Mrs. Thelma T. Price has been nemed special assistant to the President for six months, on e hall-time basis, to essist in implementing, es is appropriate and is possible, the task force report on increasing black enrollment at the University.

The appointment of Mrs. Price, who has been serving since 1972 as assistant vice-president for student affairs for special services and programs, was announced at last Saturday's meeting of the Board of Trustees.

"I am pleased that Mrs. Price has agreed to serve on my direct staff for this very important function," Or. Oswald said. "The report is now undergoing careful review by many groups within the University.

"Although there are different opinions on some of the specific recommendations, both as to their nature and priority, the report and its purposes have been well received in the University. There is a strong commitment to take what corrective steps may be feasible and appropriate.

"Practically all responses have urged that our principal aim should be to increase the number of black students going into higher education — not merely to shift them from one institution to another."

Mrs. Price, who will assume her new part-time duties on April 1, joined the Penn State staff in 1963 as assistant dean of students at the New Kensington Campus. She was named acting director of the Educational Opportunity Program at University Park in 1971 and assistant vice-president for student affairs the following year. She received her B.A. in social studies from Bennett College and her M.Ed. in history from the University of Pittsburgh.

Energy funding

The Gulf Oil Foundation has provided the University with funds to support alternative energy research. These funds are to be utilized as seed money to undertake an alternative energy project of a nature that subsequently could be eligible to be supported from other outside funding.

The purpose of the support is to develop alternative energy conversion ideas which might not have been economically viable before the recent energy crisis, but which, because of the rapid increase in the cost of conventional fuels, should now be brought forward and evaluated.

Penn State faculty at all locations of the University are eligible to apply for this limited support. For further information contact your College's (or Capitol Campus) representative on the Administrative Committee for Research (ACOR). If needed, faculty at the Commonwealth Campuses and the King of Prussia Graduate Center may obtain information as to the appropriate ACOR representative to contact from the Campus or Center director.

Trustee actions

The University's Board of Trustees at its meeting last weekend in Hershey took the following actions:

—Approved preliminary plans for air conditioning six University Park buildings most heavily used for summer instructional programs. Benefiting from the State Department of General Services $3,000,000 project will be Pattee Library and sections of Willard, Rackley, Hammond, Sackett and Chandlee.

—Authorized the employment of a Pittsburgh firm, Environmental Planning and Design, to plan site development for the Environmental Sciences Bldg. under construction along U.S. Route 322.

—Approved discontinuation of a 70-year-old water line from Musser Gap to the University Park Campus.

—Approved changes in the provisions of the Mason C. Gilpin Memorial Scholarship including making it available to students throughout the College of Agriculture rather than limiting it to students in certain designated majors.

(Continued on page four)

Senate chairman has served in all of that body's elected offices

With her past involvement in the University Faculty Senate, Sally Small felt she knew what to expect in her role as Senate chairman.

But, after completing the better part of her term as chairman, she is still awed by it all.

"After two years of working closely with the Senate chairman as secretary and vice chairman, I felt I knew what was coming," she says, "but the job is taking a great deal more time than I had anticipated."

Those close to the Senate office are impressed with Mrs. Small's knowledge of the Senate's structure, rules and procedures and her willingness to deal with problems on a personal level. A member of the Senate since 1971, she is the first chairman to have served in all of its elected offices.

"As a result," says Dr. Oscer C. Barkman, executive secretary of the Senate, "she is well versed in the mechanics and procedures of the Senate. She's able to get a lot more done than she expects because she's not spinning wheels so much."

Her knowledge and background has allowed her more time to spend on other problems.

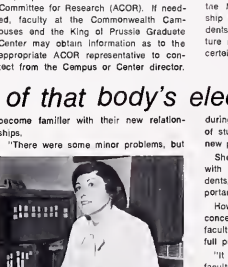
"Her ability to solve problems on a personal basis is a real asset for e Senate chairman," Dr. Barkmen points out. "If someone has e question on a piece of legislation, she will track it in both directions and get an answer back to the person. She is willing to spend a lot of time and will follow through until she gets an answer."

A graduate of Dickinson College, Mrs. Small received a mester of science degree in library science from Drexel University. She served as a research librarian for Merck Sharp and Dohme Research Laboratories and joined the University in 1967 as librerian at the Berks Campus, where she also serves es an academic adviser to students.

Mrs. Small assumed her chairmanship after the Senate adopted the recommendations of its Governance Committee calling for e new committee structure, paralleling the University's administrative structure. One of her major goals es Senate chairman has been to shepherd the plan into operation.

"It's one thing to establish e new structure and another to get it working," she notes. "It involved some administrators and faculty members who had never worked together before and who had to become familier with their new relationships.

"There were some minor problems, but



Mrs. Small

now most committees meet regularly and function well. The new structure has promoted a better understanding of problems on both sides, particularly in the new Faculty Advisory Committee, where faculty members are beginning to understend the problems of the administration. At the same time, the administration is getting feedback from faculty that it never had received before."

Other accomplishments of the Senate during her term include a major revision of student rules and implementation of a new promotion and tenure policy.

She also hes been particularly pleased with participetion in the Senate by students, "who definitely now see the importance of their role."

However, she expresses a feeling of concern that some College and Campus faculty organizations ere not meeting their full potential.

"It seems that communication between faculty organizations and the Senate is not as strong as it should be," she points out. "There is not always a formal link, and there should be. At least one Senator should be a member of the College or Campus faculty organization and should report regularly to that group. This is important, particularly when it comes to understanding and implementing the intent of legislation passed by the Senate."

Mrs. Smell's Senate duties requife her to be in University Park 2½ days a week, but she says her family — which includes her dentist husband, Bill, and three sons, two in college and one in high school — have been extremely understanding and helpful.

PENN STATE COLLECTION

Faculty notes



Dr. Hunter

Kenneth Hunter, associate professor of civil engineering, is observing his 25th year at the University.

He joined the faculty in 1950 as the coordinator for Continuing Education programs in engineering mechanics, architectural engineering, civil engineering and general engineering. Prior to that time, he was a detailer with The American Bridge Division of U.S. Steel and held a position with the Department of Public Works for the City of Middletown, Connecticut. Prof. Hunter received his B.S. in civil engineering from Penn State and has taken advanced work in the areas of structures and engineering mechanics.

Prof. Hunter has been involved in the development of associate degree programs as well as review programs for those seeking registration as Professional Engineers. Since 1959 he has been administrator for the Engineer-in-Training and Professional Engineering Examinations for central Pennsylvania. While his primary duties have been in Continuing Education, Prof. Hunter has taught courses in descriptive geometry, engineering mechanics and surveying.

During the past 20 years, Prof. Hunter has assisted with 13 surveying conferences and has also served as a co-chairman for the conferences. He has also been an Engineers' Council for Professional Development Accreditation Visitor for Engineering Technology Programs and in 1964 was selected to participate in the American Society for Engineering Education-English Speaking Union Visitor Exchange Program, during which time he spent eight weeks visiting technical schools in various parts of England.

Laurent LeSage, professor of Romance Languages, will give one of the two major talks at a conference on French literary criticism to be held at the University of South Carolina March 25-27. At the conclusion of the three days of specialized papers, Prof. LeSage will give an overview with special emphasis on semiological criticism and its impact on teaching techniques.

John M. Harrison, professor of journalism and American studies, will be an invited participant in a Bicentennial symposium, "The Eighteenth Century Journalists," sponsored by West Virginia University, March 31-April 2. "The War of Words: The Role of America's First Editorial Writers In Making a Revolution" is the subject of Prof. Harrison's paper — one of 21 to be presented by scholars in journalism, history and literature from throughout the United States.

Dr. James F. Tammen, head of the Department of Plant Pathology, has been named dean of the University of Minnesota College of Agriculture. Dr. Tammen holds a B.S. and Ph.D. in plant pathology from the University of California at Berkeley. He has been at Penn State since 1956 and is an expert on causes and control of diseases of flowering plants.

Dr. Kenneth P. Mortimer, professor of higher education and research associate at the Center for the Study of Higher Education, has been elected vice president of the Association of Professors of Higher Education. He will automatically become president in March, 1977. The association was organized in 1974 and has some 300 members. Dr. Mortimer came to Penn State in 1969 and is a recognized national authority on university governence.

Dr. Herold V. Walton, professor of agricultural engineering at the University of Missouri since 1962, has been named professor and head of Penn State's Department of Agricultural Engineering, effective June 1. He succeeds Frenk W. Peikert who retired last September. Dr. Walton, prior to going to Missouri, was professor of agricultural engineering at Penn State, having been named to the Penn State faculty in 1947 as an instructor. At Missouri, he served from 1962 until 1969 as cheirman of the Department of Agricultural Engineering and from 1969 to 1971 was chief of party and adviser in university organization and administration serving under the U.S. Agency for International Development at Orissa University of Agriculture and Technology at Orisse, India.

After attending the George School, Dr. Walton earned a B.S. and M.S. in agricultural engineering at Penn State and a Ph.D. from Purdue. While at Missouri, he has been developing a food engineering emphasis within the agricultural engineering program and teaching a course for food science majors. His research has centered around the physical properties of poultry products, and he has been author or co-author of more than 30 publications.

Dr. Warren E. George, professor and head of the department of music education, was guest conductor at the Region IV State Band Festival March 19-20 at Mt. Lebanon High School. The band was composed of 177 students representing 95 school districts from the southwestern region of the state.

Edward M. Elias, director of the York Campus, was honored recently for his outstanding contribution to the United Way of York County. During his two years as head of that organization, the campaign raised $1,465,000 to serve 100,000 York Countians through 40 human care agencies.

"Shamokin," a lithograph by **Linda Plotkin,** assistant professor of art, has been awarded a purchase prize in the Second National Print and Drawing Competition at the College of the Siskiyous in California. The print was created under a grant from the Institute for the Arts and Humanistic Studies.

George W. Bierly, director of the Wilkes-Barre Campus, was presented a Plaque for the Outstanding Engineer by the Luzerne County Chapter Pennsylvania Society of Professional Engineers. The award was presented to Mr. Bierly by John Hychko, associate professor of engineering at the Campus and chapter president, at the Engineers' Week dinner-dance given by the Luzerne County Society of Engineers' Auxiliary.

Dr. Tom Hickey, associate professor of human development and associate chairman of the Gerontology Center, has been installed as president of the Association for Gerontology in Higher Education. Dr. Hickey is a keynote talk, "Educational Policy in Gerontology," at the group's annual meeting March 3-6 in Chevy Chase, Md. Also taking part in the session were **Dr. Joseph H. Britton,** professor of human development, who spoke on "Graduate Education in Aging and the Role of University Centers," and Dr. **Dennis R. Hamelster,** research assistant in human development, who discussed "Adult Education and Continuing Education for Professionals in Aging."

Recent sculpture by **Stephen Porter,** assistant professor of art, is on exhibit in a one-man show at Parsons-Truman Gallery, 24 W. 57th St., N.Y.C., through April 10. The exhibition consists of abstract sculpture executed primarily in wood, with some works rough-carved from green logs and others of laminated native hardwoods, and several earlier small polished metal sculptures. Mr. Porter, whose work has been featured in four previous solo New York exhibits, has also had one-man shows in Ithace and Buffalo, N.Y., New Orleans, and Washington, D.C. Before coming to Penn State in 1973, Mr. Porter taught at Silvermine College of Art and Cornell University.

Twenty-three faculty members and students from the University will present papers at the Pennsylvania Academy of Science's 52nd annual meeting at Shippensburg State College, April 7-10. **Jerome K. Pasto,** associate dean of the College of Agriculture, will present the main address, e recreated talk given in 1860 by Dr. Evan Pugh, first president of the University, titled "The Role of Science in Agriculture." **Adem Anthony,** professor of zoology, and his graduate students will present four papers at the meeting. Dr. Anthony's co-authors are Neli W. Brister, Glorie J. Colurso, Michael J. Durkot, Allen Deerry, Richard Mahniak and Thomas E. Bennett. **Ronald R. Kelpsh,** associate professor of biology, Mont Alto, and **Willlem H. Neff,** associate professor of biology, will each present two papers. Dr. Neff's co-authors are graduate students Thomas L. Ashcom and Jeffrey A. Brodsky and Penn State alumni James L. Dively and James E. Mudge.

Other Penn State participants include **James P. Deploey,** assistant professor of biology, York Campus; **George K. Schenck,** associate professor of mineral economics; **Roy E. Myers,** assistant professor of mathematics, New Kensington; **E. Willard Miller,** associate dean for resident Instruction, College of Earth and Mineral Sciences; **Theodore T. Ziegenfus,** assistant professor of biology, New Kensington; **Edward W. Wickersham,** associate professor of biology; and graduate students Sue A. Lesser, Deborah A. Matinek and Gary P. Killian.

Dr. Luis F. Gonzelez-Cruz, associate professor of Spanish at New Kensington, has been appointed to the editorial board of two scholarly magazines, "Mester" and "Caribe." The former is a literary review devoted to Spanish and Latin American literature and is published by UCLA. The latter, a new literary magazine published by the University of Hawaii, will be devoted to the literature of all Spanish speaking countries in the Caribbean.

Dr. Dagobert de Levie, professor of German and director, Office of Foreign Studies, is author of a new book, "Die Menschenliebe im Zeitalter der Aufklärung," published by Bern und Frankfurt/M.

The monograph is e contribution to the German history of ideas. It traces the development of the concept of "Menschenliebe," or love of mankind, in the writings of Samuel Pufendorf, Christian Thomasius and Christian Wolff, and underscores the term's significance for the German moral philosophy of the Enlightenment.

Viewed within the framework of the general secularization process that set in with the Renaissance and was intensified during the Age of Reason, "Menschenliebe" is regarded by the author as a secular surrogate for the Christian "agape" or "caritas" and as such gives evidence of the gradual secularization of Christian moral values in the 18th century.

As the cardinal virtue of "enlightened morality, this secular idea of "Menschenliebe" found its poetic glorification in the works of such popular poets as Gellert and Hegedorn and thereby became a familiar concept in the German world of ideas.

Dr. Edwin L. Herr, professor and head, Department of Counselor Education, has been selected to present one of the three theme papers to be read at the Seventh International Round Table for the Advancement of Counseling at the University of Wurzburg, Germany, April 10-15. Dr. Herr, immediate past-president of the Association for Counselor Education and Supervision and author of nine books and more than 100 articles dealing with counseling and career development, will address the topic, "Does Counseling Work?" He will also serve as consultant to an interdisciplinary seminar on the future of counseling to be conducted at the Round Table. During the summer term, Dr. Herr has been invited to serve as Visiting Scholar at the National Institute for Careers Education and Counseling, Cambridge, England, and at the Centre for Advenced Studies in Counseling, London.



"Montsouris 1975," an intaglio print by Harold Altman, professor of art, received a gold medal for the Best in Show award at the National Arts Club Graphics exhibition.

Funding opportunities

For further information, call 865-1372

(218-2) NIMH has announced that new or supplemental **mental health continuing education grant applications** are due April 15. Single or consortium-type applications are excepted. Priority goes to those applications that closely link educational and service agencies. Projects supported include: system resources development, pilot programs, special areas training and special projects. The program contact number is 301-443-4735 (Ref C&U 362 - NIMH Announcement)

(218-3) The Office of Education has announced proposed priorities and an April 23 deadline date for **Community Service and Continuing Education Programs.** Priorities include: programs paying attention to needs of women and older adults, regional or national problems of energy conservation, transportation and/or environmental pollution, demonstrations linking education, management and labor to problems of job security, productivity and working life quality, and career mobility. (Ref 41FR9246-0.08, 3/6/76) (CFDA 13.557)

(218-4) Funding possibilities and agency contacts for present and future projects are available through the PSU resource information service (M R Kahler, 865-1372). Projects processed include research, instruction and continuing education/public service. Sources searched include federal and state agencies, foundations, associations and industry. A selection of funding opportunities is also released in this column using selection criteria such as program emphasis, deadlines, program changes, program plans, funding actions and legislation.

(218-5) Final regulations have been issued by the Office of Education for its **Modern Foreign Language Training and Area Studies Program.** The program promotes research, study and training in foreign countries by U.S. teachers to improve their language skills and cultural knowledge. Visits by educational specialists from foreign countries for U.S. language training and area studies are also supported (Ref. 41FR10100-20, 3/9/76) (CFDA 13.438-441)

(218-1) The Office of Education has announced an April 16 deadline for small grants ($15,000) under its **Woman's Educational Equity Act Program (Feb. 20, #218-2) and a May 20** deadline for grant applications under that program (**pr applications** for general grants were due March 20) (Ref. 41FR10230-37, 3/10/76)

(218-6) The Office of Education announced an April 5 cutoff date for USOE Commissioner's receipt of written approvals from the State education agency (SEA) **Reading Improvement Project.** (Ref. 41FR10608, 3/12/76) (CFDA 13.533)

FELLOWSHIPS

(For additional information inquire at 317 Kern, 865-2514)

(218-8) Deutscher Akademischer Austausch dienst (DAAD) pre-dissertation fellowships — deadline April 2. (FO76-3)

(218-7) DAAD (ibid) three-month awards for recent U.S. Ph.D.s in social sciences — deadline April 10. (FO76-3)

University Park Calendar

March 25–April 4

Items to be included in this calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, March 25

Sports: Women's basketball, AIAW Tournament.

Workers Day "Student-Trade Union Conference," HUB assembly room and ballroom.

Commons Videotape, "The Willlemsburg File," 12 noon, Kern lobby.

Marine Corps Amphibious Warfare Presentation, 1 p.m., Schwab.

Thursday-Friday, March 25-26

Delaware County Campus 3rd Conference of the Colloquium for Social Philosophy, on "Revolution Revisited."

Friday, March 26

Sports: Women's basketball, AIAW Tournament.

GSA Coffeehouse, 8 p.m., Room 102 Kern.

Percussion Concert, 8:30 p.m., Music Bldg. recital hall.

Saturday, March 27

Faculty Women's Club social, 9 p.m., Room 102 Kern.

Annual Faculty-Staff-Grad Student Swim Marathon, beginning 7 a.m., Natatorium.

Sports: Women's basketball, AIAW Tournament. Finals at 2, 4, and 7 p.m.

Sunday, March 28

Chapel Service, 11 a.m., Eisenhower Chapel. A reflection through word, song and dance by Tanner, Coleman, Boyer and the University Chapel Choir.

Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Elder John Loyd Jr., Black Christian Fellowship Mass Choir.

Colloquy program, "White Roots of Peace: Tracing Our Indian Heritage," 1-5:30 p.m., 1st floor HUB.

Shavers Creek Nature Center, Indoor House Plant Workshop, 3 p.m., Mineral Industries Bldg., Stone Valley.

Katherine Kelto, oboe, 3:30 p.m., Music Bldg. recital hall.

The Hampton Institute Choir In Concert, 3 p.m., Schwab.

Monday, March 29

Joan Kennedy, "A Christian In the Arts," lecture-demonstration, 7 p.m., Eisenhower Chapel.

The Duke Ellington Orchestra In Concert, 8 p.m., University Auditorium.

Ronald Renshaw, tuba, 8:30 p.m., Music Bldg. recital hall.

Tuesday, March 30

Paul Harrison, "The Dramatic as Ethical," lecture-discussion, 7 p.m., Eisenhower Chapel.

Ciarlan Percussion Ensemble, 8:30 p.m., Music Bldg. recital hall.

Wednesday, March 31

Father Vincent Crosby, "The God-Men Language," lecture-demonstration, 7 p.m., Eisenhower Chapel.

International Student Celebration, 6 p.m., HUB north lounge.

FSHA 410 dinner, An Ancient Roman Feast — dining in the style of Augustus, Maple Room, Henderson Human Development. Reservations required, 865-7441.

University Theatre, "When You Comin' Back, Red Ryder," 8 p.m., Pavilion Theatre.

David Brooks, violin, 8:30 p.m., Music Bldg recital hall.

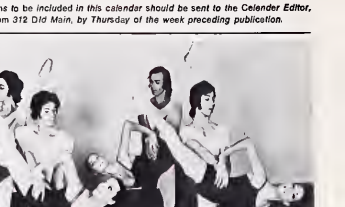
Thursday, April 1

Commons Videotape, "Asleep and the Wheel and Leon Redbone," 12 noon, Kern lobby.

Sports: Men's golf, vs. Villanova, 1 p.m.

GSA Garden Plot Workshop, 7:30 p.m., Room 112 Kern.

University Theatre, "When You Comin' Back, Red Ryder," 8 p.m., Pavilion Theatre.



The Pennsylvania Ballet will perform April 2 and 3.

Friday, April 2

Folk and Square Dance Roundup, 7:30 p.m., White.

Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Artists Series, Pennsylvania Ballet, 8:30 p.m., University Auditorium.

Michael Powell, trombone, 8:30 p.m., Music Bldg. recital hall.

Saturday, April 3

Sports: Men's golf, vs. Navy, 1 p.m.

University Theatre, "When You Comin' Back, Red Ryder," 8 p.m., Pavilion Theatre.

Artists Series, Pennsylvania Ballet, 8:30 p.m., University Auditorium.

Sunday, April 4

Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Henry H. Mitchell, Ecumenical Center for Black Studies, Claremont, Cal.

Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Rev. Darry L. Miltner, the Jerry Loyd Ensemble.

Sports. Men's baseball, vs. Ithaca, 1 p.m.

Artists Series, An Afternoon with the Pennsylvania Ballet, 3 p.m., University Auditorium.

Colloquy program, Julian Bond, Georgia State Senator, on "Collision Course In a Divided America," 8 p.m., University Auditorium.

Seminars

Thursday, March 25

Ceramic Science, 11 a.m., 301 M.I. Dr. R. Carter, General Electric R&D, on "Mechanism of Pellet Pressing Flow."

Chemistry, 12:45 p.m., Room 333 Whitmore. William A. Chupka, Yale University, on "Photoionization of Gases and Studies of Chemionization and Ion-Molecule Reactions."

Physics, 3:30 p.m., Room 117 Osmond. Dr. Morton Sternheim, University of Massachusetts, on "Pion-Nucleus Interactions."

Air Pollution Control, 2:20 p.m., Room 145 Fenske. James W. Chester, Department of Environmental Resources, Wilkes-Barre, on "Lead Contamination — a Case History."

Agronomy, 4 p.m., Room 111 Tyson. Larry Hoover — Soil Inventory System for Land Use Planning."

Mathematics, 4 p.m., Room 116 McAllister. Thomas Starbird, University of Illinois, on "Operators at L^1"

Microbiology and Cell Biology, 4 p.m., Room 52 Frear. Reinaldo F. Gomez, nutrition and food science, MIT, on "DNA Damage and Repair in Thermally Injured Salmonella Typhimurium."

Meteorology, 4 p.m., Room 26 Mineral Sciences. Dr. Jerome Spar, earth and planetary sciences, City University of New York, on "Response of the Atmosphere to Sea Surface Temperature Anomalies."

Computation Center, 7:30 p.m., Room 108 Forum. APL (4).

Geosciences, 11 a.m., Room 244 Deike. Dr. Yoshio Takeuchi, University of Tokyo, on "Crystal Chemistry of Silicate Minerals."

Physical Chemistry, 4 p.m., Room 333 Whitmore. Dr. Hartzell, biochemistry.

Friday, March 26

Veterinary Science, 3:45 p.m., Room 101 Althouse. J. Michael Kehoe, Mt. Sinai School of Medicine, on "Constraints on Variable Region Diversity In Antibodies ot Different Species."

Monday, March 29

New Communities, Architecture, 2 p.m., Room 208 Sackett. Paul Rasmussen, Department of Transportation, Washington, D.C., on "Planning of Transportation Systems and Their Maintenance in Arid Regions."

Organic Chemistry, 8 p.m., Room 333 Whitmore. Dieter Seebech, Justus Liebig University, West Germany, on "Novel Routes in C-C Bond Forming Reactions."

French, 8 p.m., Room 112 Kern. William M. Frohock, Harverd University, on "Jean-Jacques, Starobinski and the Picaresque."

Tuesday, March 30

Analytical Chemistry, 12:45 p.m., Room 445 Davey. J. E. Campana on "Computer Coupled Mass Spectrometers."

Comparative Literature, noon, State College Hotel. William M. Frohock, Harvard University.

Solid Waste, 2:20 p.m., Room 140 Fenske. Todd Giddings, Todd Giddings Consulting Hydrogeologists, State College, on "Eastern Diversified Corp. Environmental Impact of Bell Telephone Wastes."

Biochemistry and Biophysics, 4 p.m., Room 101 Althouse. Robert Matthews, chemistry, on "NMR Studies of Reversible Conformational Changes in Proteins."

Entomology, 4 p.m., Room 204 Patterson. James G. Kosteic, Ph.D. candidate, chemistry, on "A Sex Attractant of the Mushroom Fly, "Lycoriella mali" (Fitch) (Diptera: Sciaridae): Isolation, Identification, and Possible Origin."

Inorganic Chemistry, 8 p.m., Room 333 Whitmore. James Hoeschele, Engelhard Industries, on "Selected Aspects of the Chemistry of Antitumor Compounds."

English, 8 p.m., Room 101 Kern. William M. Frohock, Harvard University, on "Neo-Picaresque, Black Humor, Grotesque."

Wednesday, March 31

Operations Research Program, 2 p.m., Room 362 Willard. George B. Dantzig, C. A. Criley Professor of Transportation in Operations Research and Computer Science, Stanford University.

Fuel Science, 4 p.m., Room 301 Mineral Industries. Michael Boretsky, Office of Policy Development, U.S. Department of Commerce, on "Energy Conservation: Its Potentialities and Limits."

Thursday, April 1

Chemistry, 12:45 p.m., Room 333 Whitmore. Lauri Vatska, Clarkson College of Technology, on "Dioxygen-Metal Complexes."

Air Pollution Control, 2:20 p.m., Room 145 Fenske. Peter Preuss, Environmental Protection Service, Trenton, N.J., on "Air Pollution Control and Economics — New Jersey and Israel."

Meteorology, 4 p.m., Room 26 Mineral Sciences. James Frend, chemistry, Drexel University, on "The Global Atmospheric Nitrogen Cycle and Ozone."

Agronomy, 4 p.m., Room 111 Tyson. Roy Sjoblad on "Polymerization of Aromatic Compounds by a Phenol Oxidase from the Fungus 'rhizoctonia praticola'."

Engineering Mechanics, 4 p.m., Room 152 Hammond. Prof. Y. Weitsman, The Technion, Israel, on "Wave Propagation in Fiber Reinforced Materials."

Friday, April 2

Physics, 3:50 p.m., Room 117 Osmond. P.J. Stiles, Brown University, on "Quesi-Two-Dimensional Electron Systems."

Lectures

Thursday, March 25

Priestley Lecture, Henry Taube, Stanford University, on "Manifestations of Back-Bonding in the Chemistry of Ruthenium and Osmium Ammines," 3 p.m., Room 108 Forum.

Terrance Nearey, University of Connecticut and Haskins Lab., on "Acoustic Features of Vowels," 7:30 p.m., Room 351 Moore. Sponsored by the Department of Speech Communication.

Monday, March 29

History of Photography Week, Robert Doherty, director International Museum of Photography, George Eastman House, on the work of Lewis W. Hine, 8 p.m., Zoller Gallery.

Tuesday, March 30

Cottage of Engineering lecturer, Robert C. Stempel, Chevrolet Engineering Center, on "The Automotive Future — What's Next?", 4 p.m., Schwab.

Sociology Lecture Series, Dr. Robert Bellah, Ford Professor of Sociology and Comparative Studies, University of California, Berkeley, on "Civil Religion and the Crisis of the Republic," 2:45 p.m., Room 112 Kern.

Central Pa. Archeological Society, David Thompson, University of Georgia, on "Antinoes at Antinoopolis," 8 p.m., Room 112 Kern.

Wednesday, March 31

History of Photography Week, James Borcoman, curator of photography, National Gallery of Canada, on "Cheries Negre' The Painter as Photographer," 8 p.m., Zoller Gallery.

Berks Campus Lecture Series, Dr. William Powers, Livingstone College, Rutgers University, on "Contemporary Music and Dance," 8 p.m., Berks Campus.

Thursday, April 1

York Campus Lecture Series, Dr. Pauline Maier, University of Massachusetts-Boston, on "Understanding the Revolution," 3 p.m., York Campus.

Paul Zawadski, University of Iowa, on "Cinefluorographic Study of /r/ Articulations," 8 p.m., Room 73 Willard. Sponsored by the Department of Speech Communication.

Friday, April 2

Sir Edward Bullard, Cambridge University, on "The Floor ot the Deep Sea," 3:55 p.m., Room 22 Deike. Sponsored by the Graduate School and the Department of Geosciences.

History of Photography Week, Dr. Heinz K. Henisch, Professor of the history of photography, on "The Painterly Photograph and the Photographic Painting," 8 p.m., Zoller Gallery.

Films

Saturday, March 27

Hillel Foundation, "Diary of Ann Frank," 8 p.m., HUB assembly room.

Monday-Tuesday, March 29-30

Free Shakespeare film, "Romeo and Juliet" (Academy of Dramatic Art), 6:30 p.m., Room 101 Chambers.

Tuesday, March 30

Artists Series film, "La Dolce Vita," 8:30 p.m., University Auditorium.

Wednesday, March 31, and Friday, April 2

Commonsplace Theatre, "To Have end Have Not," 7:30 and 9:30 p.m., Room 112 Kern.

University schedule

Monday-Wednesday, March 29-31

File for Pass/Fail.

Wednesday, March 31

Drop deadline.

Preregistration deadline.

Course Repeat deadline.

Exhibits

Museum of Art: Recent Works by Stuart Frost.

Zoller Gallery: Stuart Frost in Retrospect, until March 27. Invasions, opening March 28. Lewis W. Hine, photography, celebrating History of Photography Week 1976.

Kern Gallery: "Afterimages" (photo journalism), until March 31. Logan Harrison, photography. W. C. Handy Jazz Exhibit, opening April 1.

Cultural Center, Walnut Bldg.: African Art and Paintings, March 28-April 4.

Chambers Gallery: Art Alliance Juried Exhibit, all media, opening March 29.

HUB (Main Lounge): Americana in the Netherlends (Norwegian Information Service).

HUB Gallery: Selections from the Permenent Collection at the Museum of Art.

212A Arts Bldg.: Photography exhibit, old photographs of Indians.

Room 221 Carnegie: "Robert Joyce: Photographs of the Turbulent '60s."

Pattee Library: Main Lobby — "The Library: Past, Present, and Future" by Lee Stout, Penn State Collections, until March 29. "The Ukranian Heritage in North America" by W. D. Lucow, opening March 30. East Corridor Gallery — Drawings and Paintings by Janet Gallagher, until March 29. "The Work of Wendell MacRae," photographer, opening March 30. Lending Services Lobby — "Portraits" by Sally Alexander. Rere Books Room-19th century miscellany: daguerreotypes, tintypes, and albums.

Arts roundup

History of Photography Week

History of Photography Week 1976, March 28 through April 3, will be marked at the University by three gallery factures in Zoller Gallery, five spacial exhibitions and two concurrent student photography shows.

The principal exhibition will be a show of the work of Lewis W. Hine, sociologist, social reformer and noted photographer, in Zoller Gallery. Lecturing on Hine's work at 8 p.m. Monday, March 29, will be Robert Doherty, director of the International Musaum of Photography at George East-



Hine's "Pennsylvanie Coal Miner."

man House, Rochester, from which the exhibit is on loan. "Charles Negre: The Painter as Photographer" will be the subject of a talk by James Borcoman, curator of photography at the National Gallery of Canada, at 8 p.m. Wednesday, March 31. Negre, who was a 19th century French artist, used photographs as studies for his paintings. Dr. Heinz K. Henisch, professor of the history of photography at Penn State, will lecture on "The Height of Flattery: The Painterly Photograph and the Photographic Painting" at 8 p.m. Friday, April 2.

In addition to the Hine exhibit, which includes photographs of the Empire State Building's construction, Ellis Island immigrants, and other early 20th century social documentations, old photographs of Indians from the Southwest will be displayed in 212A Arts Bldg. In Pattee Library, photographs by Wendell MacRae will be shown in the East Corridor Gallery and a 19th century miscellany, including daguerreotypes, tintypes, and albums, will be exhibited in the Rare Books Room. "Robert Joyce Photographs of the Turbulent '60s" will be on view in Room 221, Carnegie Bldg. These photographs and those by Wendell MacRae are from the photographers' personal archives in Pattee's Rare Books Room. In two concurrent shows of modern photographs, "Invisions," work by art faculty and students, will be exhibited from March 28 through April 10 in Zoller Gallery, and "AfterImages," by students of photojournalism, is on view through April 10 in Kern Commons Gallery.

History of Photography Week at the University is supported by the Institute for the Arts and Humanistic Studies. The program was arranged by Dr. Henisch in cooperation with University faculty and staff members Gerald Lang, Edward Leos, Marc Hessel, Charles Mann, Gregory Ramsey and David Rubetto.

Pennsylvania Ballet to perform

The Pennsylvania Ballet, which is well known to local audiences from its residency during the past two Nittany Mountain Summers, returns to campus Friday and Saturday, April 2 and 3, under the auspices of the Artists Series. It will perform at 8:30 p.m. in University Auditorium and also offer a special program, "An Afternoon with the Pennsylvania Ballet," at 3 p.m. Sunday, April 4, in the auditorium.

On April 3, the 38 dancers in the company, which has its own orchestra, will present Hans van Manen's "Opus Lemaitre," based on Bach's "Toccata and Fugue in D minor"; the Grand Pas de Deux from Tchaikovsky's "Nutcracker"; "Continuum," choreographed by Benjamin Harkervy to music by Jan Krzywicki; and George Balanchine's "Raymonda Variations," based on the music by Alexandar Glazounov.

Mr. Harkarvy, artistic director of the company, will provide commentery on the inner workings of a ballet troupe, assisted by the dancers, at the afternoon program.

Tickets for the April 3 performance (the April 2 program was sold out by subscription) will go on sala from 9 a.m. to 4 p.m. Tuesday, March 30, at the HUB booth and University Auditorium. Tickets for the Sunday afternoon program will be available one hour prior to the presentation at a charge of $1.

Percussion concerts

The first percussion concerts at the University in recent years will be performed by a dual ensemble of Penn State and Susquehanne University music students on Friday, March 26, and by the Clarion State Collage Percussion Ensemble on Wednesday, March 30, both at 8:30 p.m. in the Music Bldg. recital hall.

Timpani, snares, bongos, xylophone, marimba, vibraphone, bells, cymbals, gongs and tambourines are among the instruments to be heard in the concerts, which are manifestations of a recent and growing revival of interest in percussion music.

According to Richard C. Gipson, director of the duel ensembla, composers have recently become increasingly alert to the colors and timbres which percussion instruments are capable of producing and are writing more for this medium as a result. Mr. Gipson, music instructor and assistant band director at Central Missouri State University, is currently completing residence requirements for the doctorate in music education at Penn State

The dual ensemble program consists of 12 works with a maximum performance time of ten minutes. Among these works are two by welt-known percussion composer Michael Colgrass of New York.

WPSX highlights

The role of sports in American culture and how sports are influenced by society are discussed on Thursday, March 25, at 7:30 p.m. The program, produced by WPSX in cooperation with the Institute for the Arts and Humanistic Studies, features Joe Paterno, former CBS sports commentator Heywood Hale Broun, former Penn State and professional football player Mike Reid, associate professor of English Robert Weaver, associate professor of philosophy Alvin Goldman, and USC professor emerita of physical education Eleanor Metheny.

The lives and writing of six men of faith are examined on **The Third Testament**, premiering Sunday, March 28, at 4 p.m. Malcolm Muggeridge hosts the series, focusing on writers which may be considered a "third testament" for modern times. The series begins with an hour-long look at the contributions of Augustine, who gave the church new direction after the fall of Rome. Future programs will focus on Pascal, Blake, Tolstoy, Kierkegaard and Bonhoeffer.

The future of woman's sports is spotlighted on **Talkabout** Monday, March 29, at 10 p.m. Host Fran Fisher interviews participants in the Association of Intercollegiate Athletics for Women's national basketball championships. **Talkabout** may also be seen Tuesday, March 30, at 3 p.m. and Saturday, April 3, at 1:30 p.m.

Eight Pennsylvania state legislators will answar questions from public television viewers around the state on **Pennsylvania Hotline** Wednesday, March 31, at 9 p.m. Schaduled to appear on the live program are party leaders from both the House and Senate and from the Appropriations Committees of both houses. Viewers are invited to call in questions collect: (717) 534-2511.

The ethnic variety of Pennsylvania's citizenry and the contributions to Pennsylvenia's culture made by various ethnic groups are the focus of **Pennsylvanie: An Ethnic Portrait**, a five-part series premiering Thursday, April 1, at 7:30 p.m. The first program explores the religious and culturel heritaga of the Quekers, Germans and Scotch-Irish.

News in brief

Harvard Professor visiting

Dr. William M. Frohock, professor of romance lenguages at Harvard University, will be in residence at University Park from Sunday, March 28, to Friday, April 2, under the sponsorship of the Institute for the Arts and Humanistic Studies.

He will give a public lecture, "Jean-Jacques, Starobinski and the Picaresque" at 8 p.m. Monday, March 29, as a Department of French colloqulum. He will address the Comparative Literature luncheon at noon on March 30 in the State College Hotel and speak to the English Colloqulum at 8 p.m. in Kern Bldg that same evening on "Neo-Picaresque, Black Humor, Grotesque."

Dr. Frohock, who received his Ph.D. from Brown in 1935, taught at Columbia and Weslayan bafora going to Harvard, where he served as department chairman for several years. He is the author of "Andre Malraux and the Tragic Imagination," "Stranger to This Ground," "Rimbaud's Poetic Practice" and "Style and Temper."

Archaeological address

Dr. David L. Thompson, professor of classics at the University of Georgia in Athens, will address the Central Pennsylvania Chapter of the Archaeological Institute of America at 8 p.m. Tuesday, March 30, in Room 112 Kern Bldg. on "Antinoos at Antinopolis." Prof. Thompson is a classical art historian with specialized interests in the sculpture of the Roman Empire in the East. In addition to his editorial duties for "Archaeological News," he has written a monograph on mummy portraits of the Roman period in Egypt and contributed a number of articles to various scholarly journals. In his illustrated public lecture, he will examina the life and death of the Emperor Hadrian's favorite, Antinoos, and his unique position in human history. The discussion will be developed in the context of the excavations at Antinopolis, a town in Middle Egypt founded by the bereaved emperor to commemorate his deceased companion.

Auto future is talk topic

"The Automotive Future — What's Next?" will be the topic of a talk presented by Robert C. Stempel, director of engineering, Chevrolet Engineering Center, Warren, Mich., and the College of Engineering's 1976 honorary engineering lecturer, at 4 p.m. Tuesday, March 30, in Schwab Auditorium. Mr. Stempal will consider in detail the impact of current and future regulations on the design of vehicles and examine the requirements necessary to meet future stringent emission standards.

Dantzig to speak March 31

The Program in Operations Research will present Prof. George B. Dantzig at its inaugural colloquium at 2 p.m. Wednesday, March 31, in Room 362 Willard Bldg. Prof. Dantzig, internationally renowned for his work in linear programming, is the C. A. Criley Professor of Transportation in Operations Research and Computer Science at Stanford University. He received a B.A. in mathematics and physics from the University of Maryland, a M.A. in mathematics from the University of Michigan, and a Ph.D. in mathematics from the University of California, Berkeley. From 1960 to 1966, Prof. Dantzig was chairman of the Operations Research Center and a professor at Berkeley. He is the author of over 100 publications in operations research, statistics and biomathematics. The public is invited to attend the talk.

Civil religion lecture

"Civil Religion and the Crisis of the Republic Today" is the title of a public lecture to be dalivered by Prof. Robert N. Bellah at 2:45 p.m. Tuesday, March 30, in Room 112 Kern Bldg. The lecture is sponsored by the Department of Sociology as part of its Continuing Education program.

Dr. Bellah is Ford Professor of Sociology and Comparative Studies at the Berkeley Campus of the University of California. An internationally recognized scholar in the sociology of religion, he has authored numerous essays and monographs.

Research pool names solicited

The following announcement was prepared by the University's Employment Division:

The University annually receives grants for projects designed to fulfill specific research responsibilities.

Such research grants or projects are normally of fixed duration and sometimes relatively short duration. In most instances, University project administrators must react quickly in making selections of staff personnal for their projects. Therefore, it is desirable to have an available pool of faculty and staff members who are interested in applying for such research staff positions.

This announcement is made so that qualified individuals may make their interests known. The types of research staff positions typically available are: Senior Project Associate, Project Associate, Project Assistant, Senior Research Technologist, Research Technologist and Research Technician.

The types of discipline backgrounds required vary depending on the projects involved. They may include physics, engineering, agriculture, mathematics or chemistry, but are not limited to these areas.

If you apply, your name will be placed in the pool of candidates that will be considered as such opportunities arise. An announcement similar to this will be made each six months.

If you feel that you are interested in and have a background related to typical University research projects, you may apply now or in the future for such research support staff positions by calling the University's Employment Division, 865-1387 (network 475-1387).

Religion-arts week

(Continued from page one)

studies, a lecture-discussion on "The Dramatic as Ethical," 7 p.m., Eisenhower Chapel.

International Student Celebration, 8 p.m., HUB north lounge.

Wednesday, March 31

Father Vincent Crosby, O.S.B., lecture-damonstration on "Art: The God-Man Language," 1 p.m., Eisenhower Chapel.

In conjunction with these activities, several art exhibits have been scheduled during Religion and the Arts Week. Native African art and paintings will be on display in the Cultural Center, Walnut Bldg., from 9 a.m. to 9 p.m. March 28-April 4. Native American Indian art will be shown on the first floor of the HUB, and there will be a display of Navajo blankets in Eisenhower Chapel. On Wednesday, March 31, Father Crosby's work with fibers and fabrics may be seen in the Eisenhower Chapel's multi-purpose room.

Retirement policy

(Continued from page one)

uation is made by the President of the University. Any continuation is considered on a year-to-year basis and is approved only when deemed in the best interest of the University. A person becomes ineligible for any employment after age 70.

Trustees were advised that during the five-year period, July 1, 1970, to June 30, 1975, continuations were authorized in only 14 cases.

Trustee actions

(Continued from page one)

—Agreed to an increase in rental charges at University Manor, which provides 248 student-house officer apartments on the Hershey campus adjacent to the teaching hospital.

—Authorized added fuel oil storage facilities at Hershey.

Drama openings

There are still openings in the creative drama classes sponsored by the Department of Theatre and Film for children enrolled in morning kindergarten and fifth end sixth grades. Kindergarten age children attend class from 2:30 to 3:15 p.m. and older youngsters from 3:45 to 4:45 p.m., both in Room 6, Arts Bldg. Registrations may be made by calling 865-7586. Classes focus on developing the child's creativity rather then on technical theatrical training.

PENN STATE intercom

Volume 5, Number 27 April 1, 1976

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Double major under review

The University Faculty Senate will consider at its April 6 meeting recommendations on revision of policies on multiple degree programs and double majors.

The changes are recommended by the Senate Committee on Undergraduate Instruction which withdrew its March 2 report for further revision. The current policies were originally passed in the 1950s and were revised in 1966 and 1973.

In its report, the Committee says that the completion of simultaneous degrees and double majors applies to "a small but important portion" of the total graduating class.

It notes that in the year beginning May, 1975, and ending March, 1976, 7,550 baccalaureate degrees were granted by Penn State (excluding Capitol Campus). In this period 75 simultaneous degrees and 59 double majors were completed.

In making a study of the situation, the Committee found academic merit in, and recommends, establishment of a mechanism for allowing simultaneous degrees for associate degree programs.

According to the Committee report, a double major is different from a simultaneous degree in that it may be acquired by completing only the major requirements for the secondary major and that no additional credit requirements are necessary. The Committee said it believes that to acquire more than one academically viable degree additional credits must be required.

"Although considerable sentiment was expressed to phase out the double major in preference to the simultaneous degrees," the report says, "the small but important usage of the double major in certain areas of the University (especially for teacher certification and for certain programs in the College of the Liberal Arts) causes the Committee to recommend retention of double major programs.

"However, changes in the wording of the policies to clearly define and differentiate between them must be proposed."

Among changes recommended for double majors is that candidates satisfactorily completing double majors shall receive one diploma for the primary major. The final academic record will indicate the completion of the requirements for the second major.

In other business, the Senate will receive a proposal for doing away with grades for proficiency examinations and e recommendation on prerequisites.

It also will:

—Receive an informational report on tuition reduction.

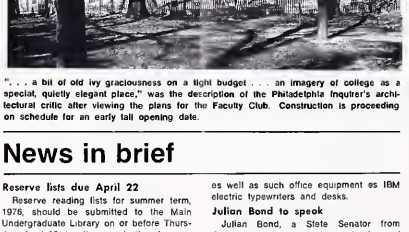
—Receive an informational report on research program review.

—Hear a report from its Subcommittee on Grading.

—Hear a progress report on the Penn State Faculty Club.

Vietnam described

"Vietnam Since the American Withdrawal" will be discussed by Dr. Thomas Hoskins, a Quaker Service worker recently returned from Vietnam at 3:30 p.m. Tuesday, April 6, in the HUB auditorium. The talk is sponsored by the Southeast Asia Studies Committee and Colloquy. A physician, Dr. Hoskins went to South Vietnam in July, 1973, under appointment from the American Friends Service Committee to help civilians disabled by the war. He remained until October, 1975, six months after the Communist take-over, working in Da Nang and later in Saigon.



". . . a bit of old ivy graciousness on a tight budget . . . an imagery of college as a special, quietly elegant place," was the description of the Philadelphia Inquirer's architectural critic after viewing the plans for the Faculty Club. Construction is proceeding on schedule for an early fall opening date.

News in brief

Reserve lists due April 22

Reserve reading lists for summer term, 1976, should be submitted to the Main Undergraduate Library on or before Thursday, April 22, to allow ample time for processing. Lists received after the deadline will be accepted only if material requested is not needed until the beginning of the third week of classes; all reserve lists will be processed strictly in order received. The April 22 deadline provides a reasonable amount of time to order books and to prepare available materials for reserve use.

Only required readings, which will circulate either for a two-hour period or for an overnight loan period, will be placed on reserve. Typewritten lists should be submitted on reserve forms which are available by mail or in person from the Undergraduate Library, W11 Pattee. Faster service can be provided for books which need to be ordered if the publisher, date of publication and price are included on the list.

Borosh Award nominations asked

Nominations have been requested for the 1976 Barash Award for Human Service. The award, created last year by the family of the late Sy Barash, will be presented to a full-time member of the faculty, staff or student body who has contributed most, apart from regular duties, to human causes, public service activities and organizations, or the welfare of fellow humans. Mr. Barash, a 1950 graduate of Penn State who died last year, was a State College businessman who devoted much of his energy and leadership to human causes. Deadline for nominations for the $1,000 award is Monday, April 5. Supporting statements should be included. Send nominations to Prof. Della Durant, chairman of the nominating committee, Room 113 White Bldg.

Penn State Room open Saturdays

The Penn State Room will be open Saturdays from 9 a.m. to 1 p.m. this spring term, in addition to its regular Monday through Friday, 8 a.m. to 5 p.m. hours. Saturday openings began March 13 and will continue to the end of the term.

University ouction April 3

There will be a public auction starting at 10 a.m. Saturday, April 3, at the University's Salvage and Surplus Warehouse. A number of fleet automobiles will be sold es well as such office equipment es IBM electric typewriters and desks.

Julian Bond to speak

Julian Bond, a State Senator from Georgia, who has been in the forefront of the New Politics movement, will speak on "Collision Course in a Divided America" at 8 p.m. Sunday, April 4, in University Auditorium.

His talk is sponsored by Colloquy, and admission is free.

Now 36 years old, Mr. Bond first came to public attention es a student at Morehouse College where he helped found the Student Non-Violent Coordinating Committee. He was elected to the Georgia House of Representatives in 1965 but was barred from taking his seat by legislators who objected to his anti-Vietnam war statements. He was eventually seated in 1967 after a U.S. Supreme Court decision in his favor. After serving four terms in the House he was elected to the Senate in 1974.

During the 1968 Democratic National Convention in Chicago, Mr. Bond led an insurgent group from Georgia and was nominated for Vice President.

Berks Appreciation Doy

The Berks Campus of the University will observe its first "Appreciation Dey" In celebration of the public opening of its new library building Sunday, April 4. Dr. Harold W. Perkins, Campus director, says the event is designed to solute all citizens in the Campus service area who have helped Penn State become an integral end vitel part of the community.

An open house of the library and other buildings at the Campus will be held. Among other events scheduled throughout the afternoon are the unveiling of the "Pennsylvania Lion," a gift to the Berks Campus sculptured by Ateko Kyriakos, and a talk by Charles W. Menn Jr., head of special collections at Pattee, on "Some Words for Books."

Gomes, gym closses begin

Games end educational gymnastics classes for children of University faculty and staff will egain be offered by the College of Health, Physicel Education and Recreation in White Bldg. Classes will meet from 4 to 5 p.m. Thursday afternoons beginning April 1 end continue through May 13. Children in grades kindergerten through fourth ere eligible to attend, and registration will teke place the first dey of class in White Bldg.

Self-study report ready

Faculty members are invited to inspect copies of Penn State's newly issued Self-Study Report, prepared for an evaluation team of the Middle States Association of Colleges and Secondary Schools.

The team will arrive et Penn State for e four-day visit Sunday, April 4, to conduct the 10-year reaccreditation review of the University.

Only about 400 copies of the report have been printed. At University Park, copies are available for review at the Senate office, Pettee Library and the Deans' offices. The Deans' offices and the libraries at Behrend College, Capitol Campus and Hershey have copies, as do the Directors' offices and libraries at each Commonwealth Campus and the King of Prussie Graduate Center.

The evaluation team will use the report as the basis for its review of the University. It consists of five sections: (1) general information about the University; (2) a review of the implementation of the 1972 Academic Policy Plan; (3) the process of undergraduate and graduate program review; (4) a review of the recent efforts to strengthen faculty participetion in University governance; and (5) a review of the Commonweelth Campus Planning process.

The report was prepared under the direction of a committee appointed by President Oswald. Its members include: Vernon V. Aspaturian, Evan Pugh Professor of Political Science; James B. Bartoo, dean of the Graduate School; John J. Cahir, associate professor of meteorology; Robert E. Dunham, vice president for undergraduate studies; Floyd B. Fischer, vice president for Continuing Education; Stuert Forth, dean of University Libraries.

Also: Thomas G. Fox, dean of faculty, Behrend College; James E. Harf, ACE Fellow in Academic Administration, Richard A. Keppeler, associate professor of agricultural engineering; Margaret B. Matson, professor of sociology; Joe A. Miller, associate professor of human development; Patricia M. Overdeer, associate professor of mathematics, Ogontz; Stanley F. Paulson, dean of the College of the Liberal Arts.

Also: Robert G. Quinn, dean of academic instruction for Commonwealth Campuses; Sally S. Smali, chairman, University Faculty Senate, associate librarian, Berks; Robert M. Smith, associate provost; George D. Wolf, dean of faculty, Capitol Campus; and Evin Pettishall, Jr., professor, associate provost of health education, Hershey.

Stanley O. Ikenberry, senior vice president for University development and relations, served as chairmen of the committee.

Debate on Canada

Should Canada become the 51st state of the Union?

Debate teems from the University of Toronto and Princeton University will argue this question at 8 p.m. on Tuesday, April 6, in Room 112, Kern Graduate Bldg.

The public debate, which will encourage audience participation, is sponsored by the Kern Graduate Commons and the Penn State Department of Speech Communications.

It is the first in a planned monthly series of parliamentary debates, called Commongrounds, which will attempt to rekindle a type of debate which stresses spontaneity and audience participation in discussion of current and emerging issues.

PENN STATE COLLECTION

Faculty notes

Dr. Satoshi Matsushima, professor of astronomy at the University, has been appointed head of the Department of Astronomy. He succeeds Dr. John P. Hegen, founder of the department, who retired last year as professor emeritus of astronomy.

A specialist in solor physics, the theory of stellar atmospheres, stellar spectroscopy and planetary astronomy, Dr. Matsushima joined the University faculty as e full professor in 1967.

A native of Japen, he previously served on the faculties of the University of Iowa, where he was director of the astronomy program and the observatory, and Florida State University. He became en American citizen in 1963.

In addition, Dr. Matsushima has been e visiting professor at the University of Tokyo and Tohoku University in 1974; a National Science Foundation visiting scientist at the Universities of Tokyo and Kyoto in 1965-66; a senior research fellow at the California Institute of Technology in 1959, 1960 end 1961; a consultant to the Naval Research Laboratory in 1963, a French Government Postdoctoral Fellow at the Dbservatory of Paris in 1955-57; and a Humboldt Fellow at Kiel University, Germany, in 1957-58.

He is e panel member of the evaluation board for NSF Fellows and research protposals and is a referee for papers contributed to the Astrophysical Journal and the European Journel of Astronomy.

The author of about 80 scholerly articles and a number of book chapters, he has supervised and developed the graduate program of the astronomy department at Penn State since 1968. He has also served on the University Faculty Senate.

Dr. Metsushima is a graduate of the University of Kyoto and holds a Ph.D. degree from the University of Utah and a D.Sc. degree from the University of Tokyo.

Dr. William J. Schrader, professor of accounting in the Department of Accounting and Management Information Systems, has been named head of the department. An authority in the area of financial accounting, he has been serving as acting department head since Feb. 1.

A native of Texas, Dr. Schrader joined Penn State's faculty in 1954 as an assistant professor of accounting. He earned his B.B.A. from Baylor University, his M.B.A. from Indiana University, and his Ph.D. at the University of Washington. He was an instructor in finance at Washington prior to coming here. From 1973 to 1975 Dr. Schrader held e Fulbright lecturehip in accounting at the University of Dar es Salaam, Tanzania.

Dr. Schrader's principal research is concerned with the formulation of theoretical models of financial accounting. He has served on the editorial board of The Accounting Review end on several committees of the American Accounting Association.

In addition to articles in the professional journals, he is co-author, with Dr. Robert Malcolm and Dr. John Winningham, of "Financial Accounting: An Input/Dutput Approach."

Dr. Peter C. M. Simons, who has been on the research staff of the Spelderholt Institute of Poultry Research, Beekbergen, The Netherlands, since 1963, is serving as visiting professor of poultry science at the University from Feb. 1 until Aug. 1. He will work with faculty members of the Department of Poultry Science on bone abnormalities and egg shell formation in poultry.

Dr. Mark Peaslee, assistant professor of history, chaired a session on "The Political Role of the Imperial Japanese Army in the 20th Century" at the 28th annual meeting of the Association for Asian Studies in Toronto, Canada, last month.

Dr. Steven Goldman, assistant professor of philosophy, is presenting a paper, "The Interpretation of Symbolic Devices in Judaic end Christian Thought," at the annual meeting of the International Society for the Comparative Study of Civilizations, which is being held at the University of Pennsylvania April 1-4.

A newly discovered mineral has been nemed brindleyite to honor **George W. Brindley,** professor emeritus of mineral sciences. The Commission on New Minerals and Mineral Names of the International Mineralogical Association has approved this name for a hydrous nickel aluminum silicate discovered end described by Dr. Zoran Maksimovic of the Department of Mining end Geology at the University of Belgrade, Yugoslevia. Dr. Maksimovic suggested calling the new mineral brindleyite as a lesting recognition of Dr. Brindley's pioneering research in nickel silicates — types of clays — which he has been conducting for more than five years. Brindleyite is described as a nickel-substituted analog of amesite. A member of the faculty from 1953 to 1973, Dr. Brindley received the Roebling Medal, the highest eward of the Mineralogical Society of America, in 1970. He remains active tin research in clay mineralogy.

Dr. Ernest B. Lowrie, associate professor of religious studies, has been nemed e Fellow of the National Humanities Institute, located at Yale University. He is one of 20 scholars from around the country selected to participate in the year-long colloqulum at Yale next year. The overall topic of the colloquium is "Values and Goals, Theory and Practice in Realization." Dr. Lowrie hopes to develop through his work an interdisciplinary set of courses in American Studies for Penn State. He also plans to write a series of articles on the development of the American mind. Author of "The Shape of the Puritan Mind," Dr. Lowrie joined the Penn State faculty in 1970. He received his B.A. at Baylor University and his B.D. and Ph.D. from Yale.

Dr. William Spackman, professor of paleobotany and director of the Coal Research Section in Earth and Mineral Sciences, has received the Joseph Becker Award of the Iron and Steel Division of the Iron and Steel Society of the American Institute of Mining, Metallurgical, and Petroleum Engineers. Presentation of the award was made March 30 at a luncheon at the Society's meeting in St. Louis, Mo. It recognizes Dr. Spackman's contributions to the advancement of the technology of the coking process through his research in the field of coal petrology.

Dr. H. L. Barnes, professor of geochemistry, has been appointed by the president of the National Academy of Sciences to serve as vice-chairmen of the U.S. National Committee for Geochemistry. Recently, he lectured on geothermal energy problems at a workshop sponsored by the National Science Foundation at Stanford University and at the University of California's Lawrence Livermore Laboratory. At the laboratory, he also served as a reviewer of geothermal programs being conducted with the support of the Energy Resources Development Administration.

Dr. Wilbur Zelinsky, professor and head of the Department of Geography, recently presented a seminar entitled "Are We Becoming More Alike? Cultural Convergence in the U.S." to the faculty of the Department of Geography at Northwestern University. He also gave a lecture on "Population and the World Food Crisis" at a conference on "Ethics In Crisis" at Kutztown State College.

Dr. John L. Lumley, Evan Pugh Professor of Aerospace Engineering, is presenting three seminars on Computational Modeling of Turbulence. The first was held Jan. 22 in the Department of Aerospace Engineering Sciences, University of Colorado. He will also speak April 5 in the University of Virginia's Department of Engineering Science and Systems; and April 29 in the Department of Chemical Engineering, University of Delaware.

Dr. Barnes W. McCormick, professor and head of the Department of Aerospace Engineering, gave a talk at Notre Dame March 31 on "The Generation of Lift at Low Speeds." On April 9, he will participate in a short course on airfoil technology at the University of Texas, Arlington, where he will speak on "The Fundamentals of Cavitation and Hydrofoil Technology."

Beverly Martelli Renford has been named assistant librarian in the Undergraduate Library. She has a BEd from Medaille College, Buffalo, and M.Ed. in mathematics education from SUNY, Buffalo, and an M.L.S. from Western Michigan University.

Dr. John A. Dutton, professor of meteorology, is the author of e new book, "The Ceaseless Wind, An Introduction to the Theory of Atmospheric Motion," just published by McGraw-Hill.

The book develops the theory of atmospheric motion through the presentation of the mathematical concepts and physicel principles necessary to comprehend, explain and predict the processes involved in the larger-scale flow patterns of the atmosphere. Designed as e textbook for both the undergraduate and graduate levels, the book includes e discussion of modern research in atmospheric dynamics.

A member of the University faculty since 1965, Dr. Dutton is particularly interested in dynamic meteorology and atmospheric energetics. He is active in the University Corporation for Atmospheric Research, of which he is e trustee, and its National Center for Atmospheric Research at Boulder, Colo. Penn State is one of the 44 universities that make up the University Corporation.

Dr. Marshall H. Kaplan, associate professor of aerospace engineering, will participate in a panel discussion on "Conventional Launchers vs. Space Shuttle" at the 6th Communications Satellite Systems Conference, sponsored by the American Institute of Aeronautics and Astronautics in Montreal April 5-8. He will also chair the 1976 annual convention of the Engineering College Magazine Association April 2-3 in Washington, D.C.

Twelve faculty and staff members from the University are attending a conference on national aspects of policy making in Caracas, Venezuela, March 26 through April 1. The meeting is the third annual trilateral conference sponsored by the Political Science Department at Penn State; the Political Institute of Christian Albrichs University of Kiel, West Germany; and the Instituto de Estudios Suplores de Administration in Caracas.

Dr. Robert E. Dunham, vice president for undergraduate studies, made the opening remarks at the conference and met with Venezuelan officials during the visit to discuss possible exchange programs between Penn State and Venezuelen universities.

Seven Penn State faculty members presented papers. They were **Dr. Robert S. Friedman,** professor and head of the Department of Political Science; **Dr. Stanley A. Kochanek,** professor of political science; **Dr. Charles D. Ameringer,** associate professor of history; **Dr. Parris H. Chang,** associate professor of political science; **Dr. Ronald W. Johnson,** assistant professor of political science; **Dr. David J. Myers,** assistant professor of political science; **and Dr. Larry D. Spence,** assistant professor of political science. Among faculty attending the conference as a commentator were: **Dr. Vernon V. Aspaturian,** Evan Pugh Professor of Polltical Science; **Dr. Henry S. Albinski,** professor of political science; **Dr. Edward Keynes,** associate professor of political science; and **Dr. James Eisenstein,** associate professor of political science.

Three members of the Institute for Research on Land and Water Resources will present papers at the World Environment and Resources Council conference in Brussels, April 5 and 6. **Raymond W. Eyerly,** assistant professor of business logistics and assistant to the director of the Institute, is speaking on "An Exploration of Interstate Highway Interchange Communities as Sites of Future Human Settlements." **Hays B. Gamble,** professor of agricultural economics and associate director of the Institute, will present a paper on "Effects of Highway Noise in Highway Communities." This paper was written jointly with **Owen H. Seuerlender,** professor of economics and assistant director in charge of the regional analysis center at the Institute.

Two aerospace engineering faculty members presented papers at the 21st Annual Gas Turbine and Fluids Engineering Conference of the American Society of Mechanical Engineers last week in New Orleans. Associate Professor **Roger E. A. Arndt** co-authored a paper, "A Note on the Inhibition of Cavitation in Dilute Polymer Solutions," with **M. L. Billet,** research assistant at the Garfield Thomas Water Tunnel; **J. W. Holl,** professor of aerospace engineering; and **C. B. Baker,** graduate assistant at ARL. His second paper, "The Influence of Gas Content and Polyethelene Oxide Additive upon Confined Jet Cavitation In Water," was written with Mr. Baker and Dr. Holi. He also gave a third paper, "Cavitation on Model Propellers with Boundery Layer Trips." **Prof. Budugur Lakshminarayana** presented a report on "Three Dimensional Potentiel Flow and Effects of Blade Dihedral In Axial Flow Propeller Pumps" written with a former graduate student, R. W. Howells.

Research grants

Twenty-five research initiation grants ranging from $2,848 to $5,000 have been awarded to University faculty members from e fund approved by President Oswald for the encouragement and support of research and other creative work.

These awards are presented to faculty members from all areas who have a service accumulation of two calendar years or less by September, 1976.

An ad hoc committee appointed by R. G. Cunningham, vice president for research and graduate studies, consisting of Thomas F. Magner (cheirman), Gordon F. Debong, John C. Flanagan, Maurice E. Bell, Harold E. Mitzel and F. J. Remick (ex officio, non-voting) received and reviewed 74 proposals. Those receiving grants include:

M. M. Baltes and R. L. Burgess, biological health and individual and family studies — Loss of independence with aging a short-term longitudinal study.

N. A. Brance, academic curriculum and instruction — The development and investigation of instruments and procedures for the study of mathematical problem solving.

T. H. Carter, microbiology — Isolation of regulatory mutants of human adenovirus type 5.

R. A. Chadderton, civil engineering — An investigation of methods to improve the efficiency of water quality data collection.

R. J. Cline, speech (Hazleton) — An empirical analysis of the distributional and sequential structure characteristic of communication of groups and individuals making risky and cautious decisions.

T. H. Cook, general engineering (New Kensington) — Methods for the mechanical characterization of human skin in vivo.

G. H. Davidson, Pesticide Research Laboratory and Graduate Study Center — Pesticide metabolism.

J. De Rooy, economics (Capitol) — Measurement of regional economic development in the U.S. and impact multipliers of social overhead capital.

M. H. Green, biological health — Relationship of cholesterol absorption to dietary cholesterol and the type and load of dietary fat.

T. A. Hale, French — Pitot version of a dictionary of Africanisms in African literature of Western expression.

D. Hetel, theatre and film — Making of a 16 mm dramatic film on the life and ideas of Gifford Pinchot.

J. A. Kurland, anthropology — Sociobiology of the Barbary Macecque ("Macaca sylvana").

J. Lynch, statistics — On the relationship of the density function to its index of large deviation.

C. R. Matthews, chemistry — Studies on the mechanisms of folding of globular proteins.

K. Dseo-Asare, materiel sciences — Application of activity-activity diagrams to ammonia hydrometallurgy.

T. Sakurai, physics — Chemisorption study by an atom-probe FIM.

W. J. Sauer, sociology — Adjustment to old age: a cross-cultural study of aging in the U.S. and New Zealand.

A. F. Shapiro, insurance and real estate — A pension cost simulation model.

S. J. Shochat, surgery (Hershey) — Lymphocyte stimulation by solubilized human neuroblastoma antigens.

K. G. Steiner, forest resources — Genetic variation in bud-burst timing of trees, relationship to habitat climate.

R. E. Shute and R. St. Pierre, health education — In vivo essessment of individualized, multiple treatment procedures for the self control of smoking behavior.

M. A. Vannice, chemicet engineering — The effect of catalyst preperetion variables on the dispersion of supported metals.

S. J. Waltner, horticulture — In vitro studies of cell separation in apple fruit tissue.

E. J. Walsh, sociology — Occupational status and its effects on incumbents.

J. S. Wicken, biochemistry — A vitamin analysis of apples efflicted with corking.

University Park Calendar

April 1—11

Items to be included in this calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, April 1

Commons Videotape, "Asleep and the Wheel and Leon Redbone," 12 noon, Kern lobby.

Sports: Men's golf, vs Villenova, 1 p.m.

GSA Garden Plot Workshop, 7:30 p.m., Room 112 Kern.

University Theatre, "When You Comin' Back, Red Ryder," 8 p.m., Pavilion Theatre.

Friday, April 2

Folk and Square Dance Roundup, 7:30 p.m., White.

Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Artists Series, Pennsylvania Ballet, 8:30 p.m., University Auditorium.

Michael Powell, trombone, 8:30 p.m., Music Bldg. recital hall.

Saturday, April 3

Sports: Men's golf, vs. Navy, 1 p.m.

University Theatre, "When You Comin' Back, Red Ryder," 8 p.m., Pavilion Theatre.

Artists Series, Pennsylvania Ballet, 8:30 p.m., University Auditorium.

Sunday, April 4

Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Henry H. Mitchell, Ecumenical Center for Black Studies, Claremont, Cal.

Block Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Rev. Darry L. Millner, the Jerry Loyd Ensemble.

Sports: Men's baseball, vs. Ithaca, 1 p.m.

Artists Series, An Afternoon with the Pennsylvania Ballet, 3 p.m., University Auditorium.

Colloquy program, Julian Bond, Georgia State Senetor, on "Collision Course in a Divided America," 8 p.m., University Auditorium.

Monday, April 5

Noontime Jazz Concert, noon, Kern lobby. Jazz Workshop, 3 p.m., Room 101 Kern.

Tuesday, April 6

Commons Videotepe, Jazz, noon, Kern lobby.

Sports: Men's tennis, vs. Georgetown, 2:30 p.m.

Delte Phi Alphs annual banquet, 6:30 p.m., Hotel State College. Dr. Leslie Wilson, chelman, Department of German, University of Texas, on "Arrivels and Departures: The Worlds of Heinrich Boll."

University Readers, "Poetry and Jazz," 8 p.m., Room 112 Kern.

Wednesday, April 7

Commons Videotepe, Jazz, noon, Kern lobby.

Sports: Men's tennis, vs. Columbia, 2:30 p.m. Men's lacrosse, vs. Franklin and Mershall, 8 p.m.

Overde Page, flute, 8:30 p.m., Music Bldg. recital hall.

Thursday, April 8

University Theatre, "The Balcony," 8 p.m., Playhouse Theatre.

Friday, April 9

Sports: Track, men's and women's Nittany Lion Relays, 12 noon.

University Theatre, "The Balcony," 8 p.m., Playhouse Theatre.

GSA Coffeehouse, 8 p.m., Room 102 Kern.

Theatre Department play, "Cool Town Breakers," 8 p.m., Room 112 Kern.

Nona Uhler, soprano, 8:30 p.m., Music Bldg. recital hall.

Artists Series, Don Cossacks of Rostov, 8:30 p.m., University Auditorium.

Saturday, April 10

Sports: Men's baseball, vs, Rutgers, 1 p.m. Men's tennis, vs. Rochester, 2 p.m. Track, men's and women's Nittany Lion Relays, 12 noon. Men's golf, vs. Lehigh, 1 p.m.

PSU Symphony Orchestra Tour Fund Benefit Concert, 1:30 p.m., University Auditorium.

University Theatre, "The Balcony," 8 p.m., Playhouse Theatre.

Theatre Department play, "Coal Town Breakers," 8 p.m., Room 112 Kern.

Sunday, April 11

Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Norman Graebner, Distinguished Visiting Professor of History.

Block Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Pastor Gerald G. Loyd, Block Christian Fellowship Choir.

Theatre Department play, "Coal Town Breakers," 2 p.m., Room 112 Kern.

Colloquy program, Senator Edmund Muskie on "The Environment: How Will We Survive," 8 p.m., University Auditorium.

Seminars

Thursday, April 1

Chemistry, 12:45 p.m., Room 333 Whitmore. Lauri Valska, Clarkson College of Technology, on "Dioxygen-Metal Complexes."

Air Pollution Control, 2:20 p.m., Room 145 Fenske. Peter Preuss, Environmental Protection Service, Trenton, N.J., on "Air Pollution Control and Economics — New Jersey and Israel."

Meteorology, 4 p.m., Room 26 Mineral Sciences. James Frend, chemistry, Drexel University, on "The Global Atmospheric Sulfur Cycle and Ozone."

Agronomy, 4 p.m., Room 111 Tyson. Roy Spiblad on "Polymerization of Aromatic Compounds by a Phenol Oxidase from the Fungus 'rhizoctonia praticola'."

Engineering Mechanics, 4 p.m., Room 152 Hammond. Prof. Y. Weitsman, The Technion, Israel, on "Wave Propagation in Fiber Reinforced Materials."

Friday, April 2

Physics, 3:50 p.m., Room 117 Osmond. P.J. Silles, Brown University, on "Quasi-Two-Dimensional Electron Systems."

Monday, April 5

Division of Individual and Family Studies, 1 p.m., Room S-131 Henderson Human Development. Karl G. Joreskog, statistics, University of Uppsala, Sweden, on "Statistical Models and Methods for Analysis of Longitudinal Data."

New Communities, Architecture, 2 p.m., Room 322 Sackett. Dr. Eliezar Kamon, human performance, on "Physiological and Psychological Stress and Human Behavior in Hot-Dry Climate."

Genetics, 3:55 p.m., Room 111 Tyson. Ken Rineer on "3 Nitro-Propionic Acid and Crown Vetch."

Physical Chemistry, 4 p.m., Room 333 Whitmore. Bruce Hudson, Stanford University, on "Coherent Anti-Stokes Raman Scattering."

Seminar on Education Reference Materials, 7 p.m., Room W110 Pattee.

Organic Chemistry, 8 p.m., Room 333 Whitmore. Blanche Garcia on "The Chemistry of Micelles."

Tuesday, April 6

Analytical Chemistry, 12:45 p.m., Room 445 Davey. G. J. Rosenberger on "Analytical Techniques Used in Activation Analysis."

Solid State Physics, 1 p.m., Room 339 Davey. R. Meyerson on "Dynamics of Symmetry Breaking Long Range Order In Farromagnetic Films."

Solid Waste, 2:20 p.m., Room 140 Fenske. Walter Malby, Resource Recovery Group, ALCOA, Pittsburgh, on "Resource Recovery in the Aluminum Industry."

Mathematics, 4 p.m., Room 118 McAllister. Manfred Knebusch, Institute for Advanced Study, on "The Spectrum of the Witt Ring of an Algebraic Variety."

Social and Behavioral Sciences, 3:50 p.m., Room S-130 Henderson Human Development. Dr. Gary Stollak, psychology, Michigan State University, on "NIMH Sponsored Research Program for the Identification of and Intervention for High Risk Families."

Engineering Mechanics, 4 p.m., Room 232 Hammond. Dr. D. J. Patel, National Heart and Lung Institute, Bethesda, Md., on "The Role of Hemodynamics in Atherosclerosis."

Seminar on Psychology Reference Materials, 7 p.m., Room W110 Pattee.

Wednesday, April 7

Biochemistry and Biophysics, 4 p.m., Room 101 Althouse. Daniel Branton, Biological Laboratories, Harvard University, on "Freeze-Fracture Studies of Macromolecular Mobility."

Astronomy, 4 p.m., Room 443 Davey. Thomas F. Adams, University of Chicago, on "The Morphology of Seyfert Galaxies."

Thursday, April 8

Air Pollution Control, 2:20 p.m., Room 145 Fenske. Claire M. Gesalman, graduate student in plant pathology, on "A Plant's Sensitivity to Ozone."

Physics, 3:50 p.m., Room 117 Davey. John Gilman, director, Materials Research Laboratory, Allied Chemical Corp., on "Metallic Glasses."

Meteorology, 4 p.m., Room 26 Mineral Sciences. Zellman Warhaft, senior project associate, aerospace engineering, on "A Laboratory Study of Temperature and Humidity Structure In a Stable Stratified Maritime Boundary Layer."

Agronomy, 4 p.m., Room 111 Tyson. Sandra L. Russo on "Assessing the Validity of Current Laboratory Procedures for the Evaluation of Tropical Forage Species."

Philosophy, 4 p.m., Room 62 Willard. Steven Goldman on "On the Interpretation of Symbols in Judaic and Christian Thought."

Lectures

Thursday, April 1

York Campus Lecture Series, Dr. Pauline Maier, University of Massachusetts-Boston, on "Understanding the Revolution," 3 p.m., York Campus.

Paul Zawadski, University of Iowa, on "Ultrastructural Study of /r/ Articulations," 8 p.m., Room 73 Willard. Sponsored by the Department of Speech Communication.

Friday, April 2

Sir Edward Bullard, Cambridge University, on "The Floor of the Deep Sea," 3:55 p.m., Room 22 Deike. Sponsored by the Graduate School and the Department of Geosciences.

History of Photography Week, Dr. Heinz K. Henisch, professor of the history of photography, on "The Painterly Photograph and the Photographic Painting," 8 p.m., Zoller Gallery.

Monday, April 5

Dr. E. Bullard, Cambridge University, on "The Origin of Earth's Magnetic Field," 3:55 p.m., Room 112 Kern. Sponsored by the Graduate School and the Department of Geosciences.

Tuesday, April 6

Dr. Thomas Hoskins, Quaker Service worker, on "Vietnam Since the American Withdrawal," 3:30 p.m., HUB auditorium. Sponsored by the Southeast Asia Studies Committee and Colloquy.

Thursday, April 8

Dr. William Hadden Jr., president, Insurance Institute for Highway Safety, on highway safety measures, 2 p.m., Room 189 MRL.

Meetings

Monday, April 5

College of Health, Physical Education and Recreation, 7 p.m., Room 109 White.

Films

Friday, April 2

Commonsplace Theatre, "To Have and Have Not," 7:30 and 9:30 p.m., Room 112 Kern.

Monday, April 5

French Film Series, "Beauty and the Beest," 7 and 9 p.m., Room 112 Kern.

Sunday, April 11

Free Shakespeare film, "Hamlet," (Olivier), 6.30 p.m., Room 101 Chambers.

Exhibits

Museum of Art: Recent Works by Stuart Frost.

Zoller Gallery, Invisions, until April 10. Film Follies, April 11-13.

Kern Gallery: R. Logan Harrison, photography, until April 9. W. C. Handy Jazz Exhibit, until April 9. African Art, opening April 10.

Chambers Gallery: Art Alliance Invitational, all media.

HUB (Main Lounge): Americana in the Netherlands (Royal Netherlands Information Embassy), until April 9.

HUB Gallery: Selections from the Permenent Collection of the Museum of Art.

Pattee Library: Main Lobby — The Ukrenian Heritage in North America by W. O. Luciw. Main Corridor Gallery — The Work of Wendell MacRae, photographer. Lending Services Lobby — Sally Alexander, Portraits, until April 5. Drawings and Paintings, Bill Diaz, opening April 6.

Arts roundup

Orchestra benefit

The Penn State Symphony Orchestra, joined by the University Choirs, will perform a family concert of light classical music to benefit the orchestra's tour fund at 1:30 p.m. Saturday, April 10, in University Auditorium. The program, which will have no intermission, is planned for people of all ages.

Ives' "Variations on 'America'," arranged by William Schuman for orchestra from the original for organ, will open the concert, conducted by Dr. D. Douglas Miller, associate professor of music. Philip Dettra, assistant professor of music, will be featured pianist in Gershwin's "Rhapsody in Blue."

The 80-piece orchestra will be joined by the 200-voice University Choirs, directed by Raymond Brown, professor of music and University choral director, to perform excerpts from Wagner's "Lohengrin"—the famous orchestral introduction to Act Three, immediately followed by the equally well-known Bridal Chorus — and the Triumphal Scene from Verdi's "Aida." Completing the benefit concert will be Tchaikovsky's "Overture Solennelle," better known as the 1812 Overture.

Tickets, at $2 for adults and $1 for children and University students, will be sold from 9 a.m. to 4 p.m. April 5 through 9 at University Auditorium and on Saturday at the door, beginning at noon.

Spring theatre season

University Theatre's spring season will run the gamut from Genet to jazz. Opening at the Playhouse April 8 is Genet's "The Balcony," under the direction of Manuel Duque, assistant professor of theatre and film. Suggested for mature audiences, the play, which is set in a brothel, is a ritualized struggle between reality and fantasy. Curtain times are 8 p.m. for the April 8, 9, 10 and 13-17 performances.

"Unruly Children" by Roger Cornish, assistant professor of theatre and film, premieres at the Pavillion Theatre April 29, 30, May 1 and May 4-8. Another offering recommended for mature audiences, this Pennsylvania Bicentennial vaudeville is an eccentric view of some of the Commonwealth's more familier legends and figures told through comedy, drama, dence and song. Curtain times are 8 p.m.

Closing the season will be Jazz Dance Theatre in Concert, directed and choreographed by Jean Sabatine. This will be seen in the Playhouse May 12-15 al 8 p.m.

The box office for these shows will open Monday, April 5, and is open daily except Sundays from 1 p.m. to 6 p.m. on non-performance days and from 1 to 9 p.m. when the shows are running. Reservations may be made by calling 865-1884

Overde Page recital

Overde Page, flutist with the Clevemont Quintet and a member of the music faculty, will perform a recital of music for flute at 8:30 p.m. Wednesday, April 7, in the Music Bldg. recital hall. The opening section of the program will consist of Mozart's "Sonata V" and Bach's "Sonate I in B Minor," both for flute and harpsichord. Assisting will be June Hutter, associate professor of music. Jolivet's "Suite en Concert pour Flute end Percussion" will be performed by Mrs. Page end a percussion ensemble of four students conducted by Smith Toulson, assistant professor of music. Completing the program will be "Sonetine" by Henry Dutilleux, performed with pianist Steven Smith, essistant professor of music.

Jazz week planned

A campus-wide celebration, Jazz Week '76, has been planned for the University the week of April 4-10. Included in the series of events at various locations around campus are lectures, films, workshops, art exhibits, poetry set to jazz and o series of mini-concerts. Orgenizers are also planning e concert by e major jazz performer. Jazz Week '76 is sponsored by the P.S.U. Jazz Club, the University Concert Committee, the Graduate Student Association, the Paul Robeson Culturel Center, the Graduate Commons, the Hetzel Union Bldg. end Colloquy.

Leaves of absence granted for 1976-77

Dorothy Alfke, professor of education, to revise and expand inservice training program components developed in the Science for the '70s project. July 1, 1976—June 30, 1977.

John O. Almquist, professor of dairy physiology, to write up results of two projects on the reproductive capacity of beef and dairy bulls and to prepare a new course in Applied Reproductive Physiology of Farm Animals. Dec. 1, 1976—May 31, 1977.

Steve Armentrout, professor of mathematics, to be spent at The Institute for Advanced Study, Princeton, doing research in mathematics, particularly certain topics in topology. Sept. 1, 1976—May 31, 1977.

Gert Aron, associate professor of civil engineering, to be spent at the Terrain Analysis Branch of the Corps of Engineers' Waterways Experiment Station, Vicksburg, Miss., for study of the Corps' remote sensing interpretation methods. Sept. 1, 1976—Feb. 28, 1977.

Nathan N. Aronson Jr., associate professor of biochemistry, to work at Strangeways Laboratory, Cambridge, England, on the importance of lysosomal cathepsins in the liver degradation of both endocytized and endogenous proteins. Aug. 1, 1976—July 31, 1977.

Raymond G. D. Ayoub, professor of mathematics, to continue research in number theory and algebra in Italy and the United States. Dec. 1, 1976—May 31, 1977.

Eugenio Battisti, professor of art history, for research at Warburg Institute in London, Princeton University, the Vatican Library, the Hague and other institutions in preparation for a history of visual symbolism and a dictionary of symbols. Spring and Summer Terms, 1977.

Ernest Bleuler, professor of physics, for ionosphere research at the Institut fur Astrophysik und Extraterrestrische Forschung in Bonn, Germany. Sept. 1, 1976—Feb. 28, 1977.

Terry R. Bortz, county agent-agriculture (Schuylkill County), to work toward a Master of Agriculture degree at Penn State. Sept. 1, 1976—Aug. 31, 1977.

Alien C. Botaechi, assistant professor of horticulture extension, to study production of ornamental plants in containers in Lake County, O., as well as in New York, New Jersey, Virginia and West Virginia. July 1, 1976—Dec. 31, 1976.

Ralph W. Condee, professor of English literature and humanities, to do research for books on Milton and Houseman at the British Musaum, Glasgow University, Edinburgh University and the National Library of Scotland. Fall and Winter Terms, 1976-77.

Sybil Coble, extension home economist (Fulton County), to do graduate work at Shippensburg State College. Sept. 1, 1976—Feb. 28, 1977.

Richard Craig, associate professor of plant breeding, to work at West Virginia University on biochemical mechanisms involved in tissue resistance. July 1, 1976—March 31, 1977.

Paul H. Cutler, professor of physics, to continue research in the area of surface physics at the Universities of Liege and Namur, Belgium. Jan. 1, 1976—Sept. 30, 1977.

Marion R. Deppen, assistant director, Capitol Region, Cooperative Extension Service, to do graduate work at Penn State and to study personnel management systems in the Extension Services of several states. Sept. 15, 1976—Dec. 15, 1976; Sept. 15, 1977—Dec. 15, 1977.

David R. DonTigny, professor of art, to investigate contemporary raku, a ceramic arts process. Summer and Fall Terms, 1976.

Juris G. Draguns, professor of psychology, for research at the Universities of Mainz Marburg and Trier in West Germany on cross-cultural psychology of abnormal and normal behavior. Sept. 1, 1976—Aug. 31, 1977.

L. Leonard Fergus professor of botany, to do research at the E. Hauser Champignon Laboratorium, Gossau-Zurich, Switzerland, on thermophilic organisms. June 1, 1976—Nov. 30, 1976.

William L. Ferrara, professor of accounting and Price Waterhouse Faculty Fellow, to visit major universities, industrial and accounting firms and to develop a series of sophisticated computer simulations. Dec. 1, 1976—May 31, 1977.

Kent Forster, professor and head, department of history, to do research at the University of Shiraz on Iranian-German relations in World War II and in Finland on Finnish-Russian relations since World War II. Fall and Winter Terms, 1976-77.

Edwin V. Gafney, associate professor of microbiology and cell biology, for breast cancer research at The Imperial Cancer Research Fund Laboratories, London. June 1, 1976—May 31, 1977.

Trond Gilberg, associate professor of political science, to study appropriateness of USSR, Romania and North Korea as models for emulation by Kenya and Tanzania. Sept. 1, 1976—Feb. 28, 1977.

Howard Grotch, associate professor of physics, for research on Bethe-Salpeter Equation and two particle quantum mechanics in external fields at the University of Sussex. Fall and Winter Terms, 1976-77.

Henry D. Gerhold, professor of forest genetics, to study European research needs concerning threats to the survival and health of trees in metropolitan landscapes. June 1, 1976—Nov. 15, 1976.

Peter R. Gould, professor of geography, to work on research projects including mapping, geographic applications of structural topological language, and possibly the extent and impact of international television flows. Sept. 1, 1976—Aug. 31, 1977.

Leslie C. Hale, professor of electrical engineering, to study scientific and technological expertise in Europe concerning stratospheric and mesospheric measurements. Sept. 1, 1976—May 31, 1977.

Gerald R. Hauser, assistant professor of speech communication, to work on the problem of communication in a world where the participants have pluralistic perspectives to a common problem and where they are interdependent. Winter and Spring Terms, 1976-77.

Jack C. Hayya, professor of management science, to do research in the area of forecasting. Fall and Winter Terms, 1976-77.

Edwin L. Herr, professor and head of counselor education, to participate in careers research and counseling programs at Cambridge University and the University of London. Summer Term, 1976.

William Hetherington Jr., professor of chemistry, for research in bioinorganic chemistry at Stanford University. Fall and Winter Terms, 1976-77.

Robert E. Huff, assistant professor of mathematics, to continue research in vector-valued measure theory, at the Universitat Erlangen-Nurnberg, West Germany. Sept. 1, 1976—Feb. 28, 1977.

Gordon R. Johnston, assistant professor of chemistry, Beaver Campus, for postdoctoral traineship at MIT. Fall, Winter and Spring Terms, 1976-77.

Peter C. Jurs, associate professor of chemistry, for research in the application of pattern recognition to chemical problems at Stanford University and other research laboratories. Sept. 1, 1976—Feb. 28, 1977.

Michael Robert King, associate professor of political science, to co-author a book on American political parties. June 1, 1976—Dec. 31, 1976.

Frank J. Landy, associate professor of psychology, to continue study on the nature of evaluative declsions and to catalogue the systematic influences on each decision. June 1, 1976—Nov. 30, 1976.

Herschel W. Leibowitz, professor of psychology, for research on peripheral vision. Sept. 1, 1976—May 31, 1977.

Samuel H. Levine, professor of nuclear engineering, to study Israel's method for measuring neutron spectra at the Technion, Haifa. Oct. 1, 1976—Sept. 30, 1977.

Peirce F. Lewis, professor of geography, to study America's vernacular human landscape at the University of California at Berkeley. July 1, 1976—June 30, 1977.

James J. McKeehen, county extension director (Delaware County), to complete a Master of Agriculture degree in horticulture at Penn State. Sept. 1, 1976—Feb. 28, 1977.

John Warner Moore Jr., assistant professor of English, to complete a book on Edmund Spenser's "The Shepheardes Calendar." Sept. 1, 1976—Feb. 28, 1977.

Warren T. Morrill, professor and head of anthropology, to write a monograph on the population of St. Barthelemy, French West Indies, and to prepare a theoretical book on the interaction of culture and cognition. Dec. 1, 1977—Nov. 30, 1976.

Peter D. Morris, associate professor of mathematics, for research at the University of Washington in Seattle. Sept. 1, 1976—Feb. 28, 1977.

Torrence D Parsons, associate professor of mathamatics, to continue research in combinatorial mathematics and mathematical optimization and its applications. Dec. 1, 1976—May 31, 1977.

Sverker Persson, professor of agricultural engineering, to compile additional material for a textbook on the theory of agricultural machine elements in Europe. Feb. 1, 1977—July 31, 1977.

Thomas F. Powers, professor of organizational behavior, to study managerial Islam in the Parry Sound area in Ontario, northern Pennsylvania and Mexico. Fall, Winter and Spring Terms, 1976-77.

Rio Preisner, professor of German, for an Intensive Investigation of Johann Georg Forster. Spring and Fall Terms, 1977.

Gerhard Reethof, professor of mechenical engineering, to serve as a visiting professor in the Institute of Sound and Vibration Research, University of Southampton, England. Oct. 4, 1976—March 7, 1977.

Carolyn Schook, associate professor of home management extension, for research to develop more systematic educational programs for senior citizens. Sept. 1, 1976—Feb. 28, 1977.

Robert A. Secor, associate professor of English, to work on a book based on the papers of Violet Hunt. Dec. 1, 1976—May 31, 1977.

Alex Simirenko, professor of sociology, to do research on ethnic community studies. Winter and Spring Terms, 1976-77.

John W. Slocum Jr., professor of organizational behavior, to study how to improve leadership effectiveness in the current labor management courses by a comparative analysis of conceptual models of the management area. Dec. 1, 1976—May 31, 1977.

Ronald A. Smith, associate professor of physical education, to do historicel research on the causes for the origin and rise of college athletics in the 19th century. Fall and Winter Terms, 1976-77.

Martin S. Stabb, professor and head of Spanish, Italian and Portuguese, to begin work on a major study dealing with the sociology of literature in Spanish America. Fall and Winter Terms, 1976-77.

James E. Stephenson Jr., associate professor of art, to pursue architectually-oriented sculptural systems in clay and make a documentary on the remaining craftsmen in brick and tile in Spain and North Africa. Spring and Summer Terms, 1977.

Richard F. Stinson, professor of agricultural education and horticulture, to serve as a visiting faculty member at the University of Florida, Gainesville. June 1, 1976—Aug. 31, 1976.

Brian J. Turner, associate professor of forest management, to compare Australian and American management information systems in forestry and teaching methods and assess effects of metrication. Sept. 1, 1976—May 31, 1977.

Peter D. Usher, associate professor of astronomy, to undertake a program in photometry and identification of quasi-stellar objects in the Sandage-Luyten Survey Fields. Fall and Winter Terms, 1976-77.

David B. Van Dommelen, associate professor of art education, to implement a model crafts program in Guatavita, Columbia. April 1, 1976—Feb. 28, 1977.

Joseph H. Way, county agricultural agent (Montgomery County), to work toward a Master of Agriculture degree in horticulture. Sept. 7, 1976—March 11, 1977.

Stanley Weintraub, research professor of English and director, Institute for the Arts and Humanistic Studies, to examine the lives and work of expatriate American writers and artists in London in the decades prior to World War I. Sept. 1, 1976—Feb. 2, 1977.

Joachim F. Wohlwill, professor of man-environment relations, to do research on man-made and natural environments and the principles relating to land use and environmental design, planning and management. Sept. 1, 1976—June 30, 1977.

Paul J. Wuest, professor of plant pathology, to initiate and conduct research and extension programs related to the post-harvest pathology and physiology of commercial mushrooms. Oct. 1, 1976—March 31, 1977.

Fund honors Riley

The Ridge Riley Alumni Scholarship Fund to finance alumni memorial scholarships has been established at the University for undergraduate students with outstanding academic achievement.

The fund honors the late Mr. Riley, who served from 1947 until his retirement in 1970 as executive secretary of the Penn State Alumni Association, and from 1971 until his death on Jan. 6 as a trustee of the University.

He was largely responsible for the establishment of the Penn State Alumni Fund and he considered the launching of the Alumni Memorial Scholarship and Loan Program one of his major achievements.

With the aid of friends and associates of Mr. Riley and various organizations, an extensive campaign for support of the fund is in preparation.

The scholarships will be available to entering freshmen or entering advanced standing students with superior secondary or other preparatory school academic records who manifest promise of superior academic success in the University. Good character and leadership in high school and community activities will be considered. Awards may be renewed from academic year to academic year if the recipient maintains a cumulative grade average of B (3.00) and funds are available.

During the current academic year, 2 freshmen received Alumni Memorial Scholarships, amounting fo $21,084 and ranging from $400 to $1,000 per grant. At the same time, upperclassmen maintaining the required academic standard had their scholarships renewed at a cost of $52,764, so that during the year, 124 students benefited with aid totaling $73,848.

Oswald heads group

President John W. Oswald is serving as chairman of a special committee established to study the problems of rising indirect costs on federally sponsored grants and contracts at colleges and universities. The matter has been a concern of the Congress and the Executive Branch, and institutions are being criticized for failing to observe the guidelines for determination of these costs. Dr. Roger W. J. Heyns, president of the American Council on Education, says "there is a danger that unwarranted punitive actions affecting all colleges and universities may be taken because of allegations of delinquency in a small number of institutions."

Staff vacancies

Staff vacancies in this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than baccalaureate degrees as well as these announced in the INTERCOM may be found in the Penn State REPORTER, a University employees who are interested in promotion may apply by calling the Employment Division 865-1397 (network Line 475-1397). Applications for these staff vacancies will be received until 5 p.m. **April 9, 1976. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

ASSOCIATE HOSPITAL DIRECTOR/DIRECTOR OF FINANCIAL AFFAIRS — Hershey

Responsible to the Hospital Director for the development, implementation, coordination and administration of the Hospital's policies on finance, accounting, insurance, admitting, internal controls, auditing and preparation of annual financial statements. Bachelor's degree with major in accounting or equivalency with five to seven years of directly related experience (preferably in a university teaching hospital).

RESEARCH ASST. PESTICIDE RESEARCH LABORATORY — College of Agriculture

Utilize various microbiological and biochemical procedures in the isolation, identification and manipulation of microorganisms. Utilize various laboratory and greenhouse procedures in the culture, maintenance and manipulation of green plants. Operate and maintain electronic equipment used in the pesticide research program such as gas chromatographs, spectrophotometers, infrared recorders, ultraviolet spectrometers, etc. Use field pesticide application equipment and apply hazardous pesticides as required. Conduct experiments under direction of the supervisor such as studies on the interaction of pesticides with microorganisms and/or green plants and the development of pesticide resistance by microorganisms. Responsible for field work at locations other than at University Park. Necessary to be away from University Park on occasions. Bachelor's degree in biology (work in microbiology and biochemistry preferred) or equivalent plus 3-12 months of directly related experience in the utilization of microbiological and/or chemical procedures.

LABORATORY ASSISTANT, ENGINEERING — Capitol Campus

Will provide technical assistance to faculty and students using laboratory. This includes responsibility for the overall efficient and efficient daily operations of the chemistry laboratory facility. A bachelor's degree in chemistry, or equivalent plus over three months and up to and including 12 months of laboratory experience.

PENN STATE intercom

Volume 5, Number 28 April 8, 1976

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

Top high schoolers to visit

Approximately 360 outstanding high school students will visit the University Park Campus Friday for the first portion of the 1976 Penn State Schofars Program.

The program was initiated last year to recognize and encourage excellent academic scholarship and to provide an opportunity for top students in the State to meet with Penn State faculty members and students.

The visitors, from the western part of the State, and an equal number of parents, will be on campus for two days.

Following a dinner at 6:30 p.m. Friday in the Helzel Union Bldg., the students will be hosted by University students in the residence halls and will meet at the colleges of their choice on Saturday.

Parents will attend a college orientation seminar Friday afternoon and a dinner Friday night in the Nittany Lion Inn.

A second group of approximately 314 students from the eastern part of the State will visit on the weekend of April 23 and 24.

Debate date corrected

The debate on whether or not Canada should become the 51st state of the Union will be held at 8 p.m. Tuesday, April 13, in Room 112 Kern Bldg., and not on April 8, as previously reported. Teams from the University of Toronto and Princeton will argue the question.

New architecture degree

A two-year program leading to the professional degree of master of architecture has been approved at the University, and it is expected that 15 to 20 students may be admitted to the program during the first year, beginning in fall, 1976.

Romero Corbelletti, professor and head of the Department of Architecture, explains that "the program is designed for students who have indicated a strong motivation and interest in a professional career during their undergraduate work in design and who hold an undergraduate degree with a major in architecture or environmental design. The course of study will be patterned to provide a program consistent with each student's previous experiences and degree of specialization."

With this degree, the Department of Architecture is shifting from a five-year undergraduate professional degree to a program leading to an intermediate professional degree after four years and to the awarding of the first professional degree in architecture at the graduate level.

Phi Psi racers wanted

The 8th Annual Phi Psi 500, sponsored by Phi Kappa Psi fraternity for the benefit of the Centre County Day Care Program, will begin at 2 p.m., Saturday, April 24. Last year over 200 runners competed along the 1.1 mile course, stopping to drink six beers (or cokes) at six bars along the route. Contestants have a choice of five divisions. Fraternity, Sorority, Independent, Masters (for those over 30) and Anything Goes. The Masters' category is open to both individual contestants and relay teams, so academic and staff departments may enter a slate of contenders. Last year's race raised over $3,000. The entry fee is $10 a person and $25 for a relay team, and all winners will receive trophies. Entries will be accepted right up to the day of the race. To register, call the Phi Kappa Psi house, 234-5555.

Help wanted

WANTED: Mature, responsible, devoted individual willing to serve as an advisor to Alpha Epsilon Phi social sorority. Only work involved is an interest in helping this small group of women to grow. If interested, call 865-5852 or 865-8044.

Bargaining unit hearings focus on role of College of Medicine

Hearings on the makeup of a faculty unit eligible to vote in a representation election at the University focused last week on the College of Medicine at the Milton S. Hershey Medical Center.

Dr. Harry Prystowsky, dean of the University's College of Medicine and provost of the Hershey Medical Center, was the only witness in three days of testimony before Pennsylvania Labor Relations Board Hearing Examiner Sidney Lawrence.

The hearings are being conducted on a petition by the Pennsylvania State University Professional Association (PSUPA) for an election to determine whether or not a bargaining agent should represent Penn State faculty and professional staff.

PSUPA is seeking a unit to include all faculty, excluding those in the College of Medicine, and all non-teaching professionals "directly related to the academic and research programs." The University feels the appropriate unit for an election should be a "pure" faculty unit made up of regular full-time faculty at all locations of the University. In his direct testimony, Dr. Prystowsky said the College of Medicine is a component of the Medical Center, which is a part of the overall University administration.

He described the major functions at the College of Medicine as teaching, research and public service, noting that all educational programs of the Medical Center are conducted through the College of Medicine. "The Medical Center, per se, does not conduct educational programs," he said.

Dr. Prystowsky testified that there are 247 faculty members in the College of Medicine, plus 17 department heads, who hold the same type of academic ranks as faculty members in other colleges of the University. Of the 264, 130 hold the M.D. degree and 76, the Ph.D., while another 9 hold both the M.D. and Ph.D. The remaining faculty members have a variety of other degrees, including the D.V.M. and J. D. Sixteen M.D. faculty have appointments in the basic science departments while 19 non-M.D. faculty have appointments in the clinical science departments. Dr. Prystowsky noted that only those faculty members with a doctor of medicine degree are involved with patient care.

He also said that the curriculum and faculty organization in the College of Medicine are governed by the policies and procedures of the University Faculty Senate as for all other colleges. Graduate programs in the College of Medicine fall under the jurisdiction of the Graduate Council.

Dr. Prystowsky also testified on the academic relations that exist between faculty in the College of Medicine and other colleges of the University. He pointed to joint memberships on college and University committees and on doctoral committees, and commented upon a number of programs which require that University Park students study at Hershey. In addition, he reviewed in considerable detail 3 of 19 research projects developed jointly by faculty in the College of Medicine and one or more other colleges. Faculty members in 9 of 10 colleges at University Park are involved in these joint research projects.

Finally, he noted that the personnel policies in the University's Policy Manual are applicable to faculty at the College of Medicine as they are to all faculty in the University.

In cross-examination of Dr. Prystowsky, Ronald Watzman, PSUPA attorney, attempted to show that faculty members at the College of Medicine generated University income in a manner different from other faculty members, particularly in regard to

(Continued on page four)

U.S.—Far East relations talk Monday

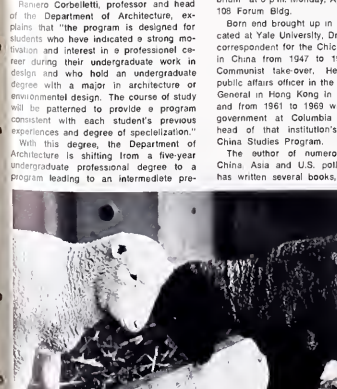
An authority on contemporary China, Asia and U.S. policy, Dr. A. Doak Barnett, of Brookings Institutions, will present a public lect.re on "The United States, China and East Asia's New Four Power Equilibrium" at 8 p.m. Monday, April 12, in Room 108 Forum Bldg.

Born and brought up in China and educated at Yale University, Dr. Barnett was a correspondent for the Chicago Daily News in China from 1947 to 1950 during the Communist take-over. He served as a public affairs officer in the U.S. Consulate-General in Hong Kong in the early 1950s and from 1961 to 1969 was professor of government at Columbia University and head of that institution's Contemporary China Studies Program.

The author of numerous articles on China, Asia and U.S. policy, Dr. Barnett has written several books, including "Uncertain Passage," "A New U.S. Policy toward China," "Cadres, Bureaucracy and Political Power in Communist China" and "Communist China and Asia." Long before President Nixon and Secretary of State Kissinger took the concrete actions that changed U.S.-China relations, Dr. Barnett argued for a new China policy as a witness in the Fulbright Committee hearings in spring, 1966. He has been a Senior Fellow at Brookings Institutions since 1969.

In addition to his public address, he will conduct a seminar on selected research problems dealing with China and her relations with the U.S. and USSR from 2 to 4 p.m. Tuesday, April 13, in Room 124 Sparks Bldg. for interested faculty and students.

His visit is sponsored by the Graduate School, the East Asian Studies Committee and the Slavic and Soviet Language and Area Center.



What's black and white and bred all over? Little lambs like these — and they're a sure sign of spring to visitors at the University's sheep barns.

Cahir to chair commission set up to study effects of remedial education

Dr. John J. Cahir, associate professor of meteorology, has been appointed chairman of the Joint Presidential-Senate Commission to Study Remedial Education.

The University Faculty Senate at its March 9 meeting proposed establishment of the commission.

Commission members, appointed by Senate chairman Selby S. Small and President Oswald, have been charged with studying and proposing solutions to "the need by many students for instruction which is preparatory to college level courses in areas of quantitative and qualitative thought and articulation."

The Commission has been asked to consider:

— Impact analyses on faculty, students and the nature of the institution.

— Analysis of effects on student enrollments.

— Anatysis of economic effects, including tuition income and costs of remedial instruction and priority status in relation to other University programs.

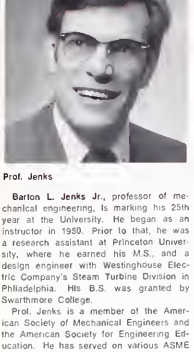
— Such other factors members feel are pertinent to the problem.

In pursuing its charge, the Commission also has been asked to assess the possible effects involvement of Penn State in remedial work at this level would have on the attitudes of the public school systems and on the attitudes of the public in general.

The Commission is to report to the Senate by January, 1977. Commission members, besides Dr. Cahir, are Thomas E. Daubert, James Dungan, Robert E. Dunham, Wilma R. Ebbitt, Oscar E. Fox, Joseph L. French, Samuel M. Laposata, Eugene S. Lindstrom, Louise J. Marshall, Mary McCammon and John J. Romano.

PENN STATE COLLECTION

Faculty notes



Prof. Jenks

Barton L. Jenks Jr., professor of mechanical engineering, is marking his 25th year at the University. He began as an instructor in 1950. Prior to that, he was a research assistant at Princeton University, where he earned his M.S., and a design engineer with Westinghouse Electric Company's Steam Turbine Division in Philadelphia. His B.S. was granted by Swarthmore College.

Prof. Jenks is a member of the American Society of Mechanical Engineers and the American Society for Engineering Education. He has served on various ASME committees and organized and served as first chairman of the Pennsylvania ASME Council of Section Chairmen.

During his years at Penn State, Prof. Jenks has created and taught two senior elective courses, one in Engineering Analysis and one in Bearing Design and Lubrication. He has also co-developed several other mechanical engineering courses and was one of the early advocates in the Mechanical Engineering Department committed to the project method of teaching Engineering Analysis and Design, which resulted in the introduction of at least three courses in the curriculum. He has served on numerous committees, including the College of Engineering Ad Hoc Committee on Dynamic Systems, of which he was chairman.

Michael H. Begnal, associate professor of English and comparative literature, has been awarded a Fulbright-Hays Senior Lectureship at Charles University, Prague, Czechoslovakia, for 1976-1977. He previously held a Fulbright lectureship there in 1973-74. Dr. Begnal has specialized in James Joyce and Irish literature.

Dr. H. Seymour Fowler, chairman of the science education faculty and coordinator of the Division of Academic Curriculum and Instruction, received a Distinguished Service to Science Education Citation from the National Science Teachers Association at that group's recent annual convention.

Dr. Jean E. Brenchley, associate professor of microbiology, presented a seminar at the University of Pennsylvania on the "Regulation of Ammonia Assimilation in 'Klebsiella' and 'Salmonella'" March 30.

Dr. Charles D. Crawford, associate professor of rural sociology, recently presented a paper entitled "Community Support Systems: Some Considerations Related to Creating and Maintaining Independent Living for Older Persons" at a conference on "Total Health and Aging" held at Eckerd College, St. Petersburg, Fla.

Three faculty, an alumna and a retired professor will be honored tonight (Thursday) at the awards dinner of the College of the Liberal Arts Alumni Society. **Dr. Carroll C. Arnold**, professor of speech communication, will receive a Distinguished Teaching Award. An award for Distinction in the Social Sciences will be presented to **Dr. Charles N. Cofer**, professor of psychology, and **Dr. Arthur Goldschmidt**, assistant professor of history, will be honored as the Outstanding Faculty Advisor in the College. **Jo Fox Brosius** '49, founder of the Fairpress, Connecticut's largest weekly newspaper, is the recipient of a Service to Society Award, and **Dr. Jessie R. Bernard**, professor emerita of sociology, of the Emeriti Distinction Award. She retired in 1964 after 18 years at the University.

Donald P. Wharton, instructor of English at Altoona, will speak on "The Poet as Protestor: Richard Steere and the Rogerene Controversy in New London, 1695" at the Northeast Modern Language Association convention this week in Vermont.

Dr. Peter T. Luckie, director of research and development with McNally Pittsburg Manufacturing Corp., Pittsburg, Kansas, and its subsidary, Kennedy Van Saun Manufacturing and Engineering Corp., Danville, Pa., has been named adjunct associate professor of mineral processing at the University. The two firms are major manufacturers of coal and mineral processing equipment. Dr. Luckie, who assumed his position with them in 1972, holds three degrees from Penn State. He received his B.S. in fuel engineering in 1960, his M.S. in mineral preparation in 1969, and his Ph.D in mineral processing in 1972.

Dr. Kenneth D. Hickey, professor of plant pathology at The Virginia Polytechnic Institute and State University, has been named professor of plant pathology and scientist-in-charge of the University's Fruit Research Laboratory, effective May 15. He will succeed Dr. Fred H. Lewis, who retired on Feb. 15 after 36 years of service. The Biglerville Laboratory, established in 1918 at Arendtville and moved in 1971 to its present location, is located in the heart of the Pennsylvania fruit belt. Research is conducted in entomology, pathology, virology, physiology, plant nutrition, soils management, harvesting and handling, biological control of pests, propagation, and other studies as they relate to deciduous fruits and crop plants. Dr. Hickey is a graduate of Tennessee Polytechnic University with a B.S. in agronomy. His M.S. and Ph.D. in plant pathology were conferred by Penn State.

Dr. Robert W. Reed, assistant professor of physics, delivered a paper on "Magnetic Breakdown Orbits in Beryllium" at the American Physical Society meeting in Atlanta, Ga., last week.

Dr. John W. Slocum Jr., professor of organizational behavior, co-authored an article in the Winter issue of "Organization and Administrative Sciences" on "Tesling Causal Relationships of House's Path-Goal Theory of Leadership Effectiveness."

Dr. Paul Weener, acting head of the Department of Educational Psychology, delivered an invited paper on the development of auditory processing abilities in children at the California Speech and Hearing Association annual conference in Los Angeles on April 2-3.

Dr. John R. Thompson, since 1967 agronomist and superintendent of the Experiment Station at University of Hawaii, has been named professor of agronomy (Bahamas) at the University, effective March 1, to continue through next February. He will be affiliated with the Bahamas Agricultural Research, Training and Development Project (BARTAD), a program funded by the U.S. Agency for International Development.

Dr. Howard Grotch, associate professor of physics and a specialist in electrodynamics, has been awarded a North American Treaty Organization (NATO) Senior Fellowship. He will conduct research at the University of Susex, England, while on leave during fall and winter terms, 1976.

Richard D. Rowlands, professor of engineering research at ARL, will present a paper on "The Odd Discrete Fourier Transform" at the 1976 IEEE International Conference on Acoustics, Speech and Signal Processing, to be held in Philadelphia, April 12-14.

Dr. Thomas A. Ryan, associate professor of statistics, has been appointed an associate editor of the "American Statistician," a publication of the American Statistical Association. He will review papers in several areas, especially statistical computing and applied probability.

Basil E. Robbins, who has been a performance engineer with Pratt and Whitney Aircraft, East Hartford, Conn., for the past three years, has been named a research assistant with the Applied Research Laboratory. He received his B.S. and M.S. in aerospace engineering at Penn State in 1970 and 1974, respectively.

Two associate professors from the Department of Art Education will present papers at the International Child Art Conference sponsored by the Art Department of Illinois State University April 8-10 at Normal, Ill. **Dr. William Bradley** will speak on "Some Non-Exemplary Aspects of the Child Schema," and **Dr. Paul Edmonston**, on "Traditional Education of the Artist-Craftsmen in South India." Dr. Edmonston will also deliver a paper at the April 11-16 National Art Education convention in St. Louis, Mo., on "New Images-New Consciousness in Contemporary Art."

Dr. Roland H. Good Jr., head of the Department of Physics, gave a colloquium at the Department of Physics, Queens College, CUNY, on "Casualty and Dispersion Relations for Nonlinear Systems" March 29.

Della Durant, assistant athletic director and associate professor in the College of Health, Physical Education and Recreation, is the Centre County chairman for the 1976 Cancer Crusade. She will direct the activities of nearly 2,000 volunteers during the April educational and fund-raising campaign. Other members of the faculty taking active roles in the campaign are **Dr. Patricia Farrell**, assistant professor of recreation and parks, who is coordinator of Special Events; and **Robert H. McCormick**, professor of chemical engineering, the chairman of the Standing Crusade Committee for the Centre County American Cancer Society. Among those sponsoring Special Events to raise funds for the cancer effort are **Provost Russell E. Larson**; **Dr. John J. Coyle**, professor and head of the Department of Business Logistics; **Dr. Richard G. Cunningham**, vice president for research and graduate studies; and **Kenneth L. Holderman**, professor emeritus of engineering, vice president emeritus for Commonwealth Campuses and a University trustee.

Jack Hayya, professor of management science, and graduate student **William Joyce** are the authors of a paper, "On Two Related Problems in Regression: Sample Size and the Comparison of Several R2-s" in the "Proceedings" of the Western Regional Conference, American Institute for Decision Sciences.

Rodelle Weintraub, instructor in English, has been appointed a member of the publications committee of the American Business Communications Association. The committee's responsibilities include oversight of the Association's regular and special publications, particularly the "Journal of Business Communication" and the "ABCA Bulletin."

Dr. Robert L. Shrigley, associate professor of education, and **Dr. Theodore Johnson**, director of The Curriculum Materials Center in the College of Education, will present a set of papers at the annual meeting of the National Association for Research in Science Teaching April 24 at San Francisco, Cal. The papers center around the theme, "Generating Theoretical Bases for Attitude Research in Science Education."

Dr. John C. Snowdon, professor of engineering research at ARL, will become president-elect of the Acoustical Society of America following the Society's spring meeting in Washington, D.C. April 5-9. The Society comprises more than 5,000 members with such interests as architectural and musical acoustics, noise, speech communication, underwater acoustics, and vibration, which is Dr. Snowdon's specialty. An alumnus of the University of London, he is the author of a graduate-level text and editor of two other volumes on vibration reduction and noise control.

Dr. R. S. Brubaker, professor and head of the Department of Speech Communication, will discuss spectrographic analysis of infant vocalizations at a Howard University seminar April 12. Special reference will be made to the acquisition of segmental features in early vocalizations.

Dr. Karl E. Spear, associate professor of ceramic science, is the author of "Phase Behavior and Properties of Rare-Earth Borides," chapter two in "Phase Diagrams: Materials Science and Technology." Volume IV, which has just been published by Academic Press, New York, N.Y.

Michael Hankamer, instructor of electrical engineering, has been awarded a NASA-ASEE Summer Faculty Fellowship at the NASA Johnson Space Center, Houston, Texas, June 7 to August 13, for research characterizing the capability of the Space Shuttle telemetry command system.

Dr. Robert K. Murray, professor of American history, has been named treasurer of the Organization of American Historians.

Dr. Francis M. Dwyer, senior research associate of education and coordinator of instructional evaluations in the Division of Instructional Services, was recently elected vice president of the International Visual Literacy Association (IVLA) at the group's annual meeting held in Nashville, Tenn. The association membership is interdisciplinary in composition, having as their primary orientation a focus on visual learning. Dr. Dwyer, in areas related to visual literacy, has published more than 100 articles and presented more than 100 lectures.

Kenneth M. Kuhn, associate professor of art at Altoona, is serving as chairman of the steering committee for Arts '76, the annual spring arts and crafts festival sponsored by the Blair County Arts Foundation and the Altoona Campus on May 7, 8 and 9. Assisting Mr. Kuhn as vice chairman is **Roger R. Zeltner**, assistant professor of art at the Campus.

Obituary

Dr. J. Earl McCord, 83, who retired in 1958 as professor emeritus of agricultural extension, died March 10 at his home in State College. He joined the Penn State staff in 1916 as county agricultural extension agent in Jefferson County, and in 1920 was named assistant professor of farm management and agricultural extension. He was appointed professor of farm management and agricultural extension in 1928. Born Nov. 9 1892, in Berwinsdale, he was a graduate of Lock Haven State College. He earned both his M.S. and Ph.D. at Cornell University.



Award of Excellence was presented by United Way to Hazleton Campus employees. At ceremony, left to right, are Dr. Harold Aurand, associate professor of history and coordinator of the Campus solicitation; Campaign chairman William R. Shutt, of Hazleton; and Dr. William J. David, Campus director.

University Park Calendar

April 8—18

Items to be included in this calender should be sent to the Calender Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, April 8

Phi Mu Alpha Jazz Band, 12:15-2 p.m., HUB new lounge.

FSHA 410 Early French Banquet, 5:30 p.m., Maple Room. Reservations: 865-7441.

University Theatre, "The Balcony," 8 p.m., Playhouse Theatre.

University Concert Committee Jazz Week program, Keith Jarrett, 8 p.m., Schwab.

Friday, April 9

Sports: Track, men's and women's Nittany Lion Relays, 12 noon.

University Theatre, "The Balcony," 8 p.m., Room 112 Kern.

None Uhler, soprano, 8:30 p.m., Music Bldg. recital hall.

Artists Series, Don Cossacks of Rostov, 8:30 p.m., University Auditorium.

Saturday, April 10

Sports: Men's baseball, vs. Rutgers, 1 p.m.

Men's tennis, vs. Rochester, 2 p.m.

Track, men's and women's Nittany Lion Relays, 12 noon. Men's golf, vs. Lehigh, 1 p.m.

PSU Symphony Orchestra Tour Fund Benefit Concert, 1:30 p.m., University Auditorium.

University Theatre, "The Balcony," 8 p.m., Playhouse Theatre.

Theatre Department play, "Cool Town Breakers," 8 p.m., Room 112 Kern.

Sunday, April 11

Chapel Service, 11 a.m., Eisenhower Chapel. Dr Norman Graebner, Distinguished Visiting Professor of History.

Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Pastor Gerald G. Loyd, Black Christian Fellowship Choir.

Theatre Department play, "Cool Town Breakers," 2 p.m., Room 112 Kern.

Penn State Blue Band, annual concert, 3 p.m., University Auditorium.

Colloquy program, Senator Edmund Muskie on "The Environment: How Will We Survive?", 8 p.m., University Auditorium.

Monday, April 12

Steven Robbins, flute, 8:30 p.m., Music Bldg. recital hall.

Term Paper Workshop, 7 p.m., Room W110 Pattee.

Color Slide Club, 7 p.m., Room 112 Kern. Slide essays.

Tuesday, April 13

Sports. Women's tennis, vs. Lock Haven, 2 p.m.

University Theatre, "The Balcony," 8 p.m., Playhouse Theatre.

Commongrounds, debate teams from the University of Toronto and Princeton on "Resolved: That Canada Should Become the 51st State of the Union," 8 p.m., Room 112 Kern.

Wednesday, April 14

University Theatre, "The Balcony," 8 p.m., Playhouse Theatre.

University Theatre experimental production, "Jules' Gems," selected adaptations from Jules Feiffer cartoons, 5:20 p.m., Pavilion Theatre.

Thalia Trio, 8:30 p.m., Music Bldg. recital hall.

Thursday, April 15

Sports: Women's lacrosse, vs. West Chester, 2 p.m.

University Theatre, "The Balcony," 8 p.m., Playhouse Theatre.

University Theatre experimental production, "Jules' Gems," 5:20 p.m., Pavilion Theatre.

Friday, April 16

Sports: Men's lacrosse, vs. North Carolina, 8 p.m.

University Theatre, "The Balcony," 8 p.m., Playhouse Theatre.

University Theatre experimental production, "Jules' Gems," 7:20 p.m., Pavilion Theatre.

Saturday, April 17

Sports: Men's baseball, vs. George Washington, 1 p.m. Men's tennis, vs. George Washington, 2:30 p.m.

University Theatre, "The Balcony," 8 p.m., Playhouse Theatre.

Stone Valley Recreation Area, rental boat operations and private boat launchings begin. For information, call 238-5872.

Sunday, April 18

Chapel Service, 11 a.m., Music Bldg. recital hall. The University Chapel Choir's Easter Concert, Raymond Brown, director, Tommie Irwin, assistant director.

Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Pastor Gerald G. Loyd, Children's Choir.

Sports: Men's tennis, vs. East Stroudsburg, 2:30 p.m.

Shavers Creek Nature Center, Ecology Walk, 3 p.m., Mineral Industries Bldg., Stone Valley.

Seminars

Thursday, April 8

Air Pollution Control, 2:20 p.m., Room 145 Fenske. Claire M. Gesalmen, graduate student in plant pathology, on "A Plant's Sensitivity to Ozone."

Physics, 3:50 p.m., Room 117 Osvey. John Gilman, director, Materials Research Laboratory, Allied Chemical Corp., on "Metallic Glasses."

Meteorology, 4 p.m., Room 26 Mineral Sciences. Zellman Warhaft, senior project associate, aerospace engineering, on "A Laboratory Study of Temperature and Humidity Structure in a Stable Stratified Maritime Boundary Layer."

Agronomy, 4 p.m., Room 111 Tyson. Sandro L. Russo on "Assessing the Validity of Current Laboratory Procedures for the Evaluation of Tropicel Forege Species."

Philosophy, 4 p.m., Room 62 Willard. Steven Goldman on "On the Interpretation of Symbols in Judeic and Christian Thought."

Ceramic Science, 11 a.m., Room 301 Mineral Industries. Dr. N. L. Peterson, Argonne National Laboratory, on "Correlation and Isotope Effects for Cation Diffusion in Simple Oxides."

Astronomy, 4 p.m., Room 445 Davey. Dr. Thomas F. Adams, University of Chicago, on "The Morphology of Seyfert Galaxies."

Friday, April 9

Statistics, 1 p.m., Room 302 Pond. Ronald Butler, University of Michigan, on "Sample Re-Use Criteria for Detecting Outliers."

Monday, April 12

New Communities, Architecture, 2 p.m., Room 323 Sackett. Dr. Stanley Gilman, architectural engineering, on "Planning Systems of Heating, Ventilation and Air Conditioning within an Arid Region City."

Organic Chemistry, 8 p.m., Room 333 Whitmore. William Herndon, University of Texas, on "Isospectral Molecules (an Application of Graph Theory to Organic Chemistry)."

Tuesday, April 13

ARL, 10:45 a.m., Eric A. Walker Conference Room, Applied Science Bldg. F. E. Kaprocki on "An Operational Data System for Determining the Range and Aspect of a Long Acoustic Reflector."

Analytical Chemistry, 12:45 p.m., Room 445 Davey. D. C. Thornton on "Electrode Kinetics of Antimony (V)."

Physical Chemistry, 12 45 p.m., Room 333 Whitmore. W. C. Herndon on "Structure-Resonance Theory (A Quantitative Application of Resonance Theory)."

Solid State Physics, 1 p.m., Room 339 Davey. Dr. N. R. Ranganathan, Matscience, Indie, on "Magnetic Bloch States."

Solid Waste, 2:20 p.m., Room 140 Fenske. Paul Cardenas, New York Poly Institute, Brooklyn, on "Composting Makes a Tree Grow in Brooklyn. Ecology Inc."

Astronomy, 4 p.m., Room 445 Davey. Dr. Paul L. Schechler, Institute for Advanced Study, Princeton, on "Standard Candles and the Luminosity Function for Galaxies."

Engineering Mechanics, 4 p.m., Room 232 Hammond. Dr. C. K. Lim, International Business Machines Corp., on "An Accelerated Fatigue Model for Metals."

Mathematics, 4 p.m., Room 102 McAllister. Tarlok Nath Shorey, Institute for Advanced Study, Princeton, on "Some Applications of Linear Forms in Logarithms."

Inorganic Chemistry, 4 p.m., Room 333 Whitmore. Ron Pierantozzi.

Biochemistry and Biophysics, 4 p.m., Room 101 Althouse. Bernard Rolzman, Committee on Virology, University of Chicago, on "Molecular Organization of Herpes Simplex Virus DNA."

Seminar on Environment Reference Materials, 7 p.m., Room W110 Pattee.

Wednesday, April 14

Fuel Science, 4 p.m., Room 301 Mineral Industries. Wesley Hoffmen, graduate student, on "Pyrolysis of Propylene over Graphon Surfaces."

Thursday, April 15

Chemistry, 12:45 p.m., Room 333 Whitmore. Jack Baldwin, MIT, on "Synthesis of Peptide Alkaloids."

Air Pollution Control, 2:20 p.m., Room 145 Fenske. Donald A. Orth, E. I. du Pont de Nemours, Brownsn River Plant, S.C., on "Sand Bed Filters."

Physics, 3:50 p.m., Room 117 Osmond. O. Pines, University of Illinois, on "Neuiron Stars."

Agronomy, 4 p.m., Room 111 Tyson. Gerald A. Mellish on "Some Effects of Soil Warming and Waste Water Application on Crop Growth and Persistence."

Friday, April 16

Entomology and Biology, 1 p.m., Room 101 Althouse. Dr. Richard D. Alexender, University of Michigan, Ann Arbor, on "Speculation in Acoustical Insects."

Biochemistry and Biophysics, 4 p.m., Room 101 Althouse. Ponzy Lu, chemistry, University of Pennsylvania on "Structure Function Correletion In the lac Repressor (Fluorescence and NMR Spectroscopy without Tears)."

Lectures

Thursday, April 8

Graduate School Lecture Series, Dr. Harold J. Leavitt, Kilpatrick Professor of Organizational Behavior and Psychology, Stanford University, on "Problem Solving and Management," 8 p.m., Nittany Lion Inn assembly room.

Richard Pordes, UNICEF, "How the Developing Nations Helped Themselves and How Best Can the U.S. Help Them?" 8 p.m., HUB assembly room. Sponsored by Food Day Committee.

Friday, April 9

Manfredo Tafuri on "Order end Disorder," 4 p.m., Schwab. Sponsored by Architecture and Art History.

Monday, April 12

Dr. A. Doak Barnett, Brookings Institutions, on "The United Stetes, China and East Asia's New Four Power Equilibrium," 8 p.m., Room 108 Forum. Sponsored by the Graduate School, East Asian Studies Committee and Slavic and Soviet Language and Area Center.

Films

Friday-Sunday, April 9-11

Hemlock House film, "Cool Hand Luke," 7 and 9:30 p.m., Room 102 Forum.

Sunday, April 11

Free Shakespeare film, "Hamlet" (Olivier), 6:30 p.m., Room 101 Chambers.

Artists Series film, "The Treasure of Serra Madre," 8:30 p.m., University Auditorium.

Exhibits

Museum of Art: Recent Works by Stuart Frost, until April 11. Portraits USA: 1776-1976, opening April 18.

Zoller Gallery: Invasions, until April 10. Student Drawing and Printmaking Exhibition, opening April 15.

Kern Gallery: R. Logan Harrison, photography, until April 8. W. C. Handy Jazz Exhibit, until April 9. African Art, opening April 10.

Chambers Gallery: Art Alliance Invitational Exhibit, all media.

HUB (Main Lounge): Americana in The Netherlands (Royal Netherlands Information Embassy), until April 9. Suiting Everyone (Smithsonian Institution Traveling Exhibition Service.

HUB Gallery: Selections from the Permanent Collection at the Museum of Art. Recent Works by Stuert Frost, opening April 18.

Pattee Library: Main Lobby — The Ukranian Heritage in North America by W. O. Luciw. East Corridor Gallery—The Work of Wendell MacRae, photographer. Lending Services Lobby — Orewings end Paintings, Bill Diaz.

Paul Robeson Cultural Center: Paintings end Sculptures by the WYSO, a Ukranian Club Exhibit, until April 15.

Hammond Gallery: 40 Architectural Drawings by Jullan Weiss, through April 10.

Arts roundup



Ned Deihl, left, and William Dole

Blue Band concert April 11

The Penn State Concert Blue Band will present its annuel compus concert at 3 p.m. Sunday, April 11, in University Auditorium. The 95-member organization, under the baton of Dr. Ned C. Deihl, professor of music education end acting director of the Blue Band, will perform works of Mekrls, Bonelli, Grainger, Sousa end William Schumen. "Chester," based on a Revolutionary War tune, end "Chorale and Shaker Dance," built on an old Shaker hymn, add e Bicentennlel flavor. Featured soloist is William Dole, a bassoon instructor at Penn Stete and member of the Claremont Woodwind Quintet. He will perform e saxophone solo, "Introduction and Samba" by Meurice Whitney.

Thalia trio concert

The Thelle Trio will perform "Trio," opus 100 by Franz Schubert, es one of three works in its concert at 8:30 p.m. Wednesday, April 14, in the Music Bldg recital hall. The Schubert work was used in the score for the recent Stanley Kubrick film, "Berry Lyndon." The Thalio Trio, with Leonard Feldmen, cello, Joanne Zagst, violin, end Robert Belsley, piano, all of the music faculty, will also perform Haydn's "Trio in F Major" end "Trio In E Minor" by the contemporary American composer Alan Hovhonness.

Tafuri to lecture

Manfredo Tafuri, historian, critic, author end lecturer on architecture and architectural history, will speak on "Order and Disorder" at 4 p.m. Friday, April 9, in Schwab Auditorium. A professor at schools of architecture in Venice and Rome, Mr. Tafuri will be at the University under the sponsorship of the Departments of Architecture end Art History.

Film Follies annual

The annual Film Follies presented by students of graphic design will be held at 8 p.m. Tuesday, April 13, in Zoller Gallery. The slide shows, film leaders and films to be shown are senior students' responses to creative problems posed in a graphic design course on time and movement taught by Lenny Sommese, associate professor of art. A typicel challenge put to the class was to describe a metamorphosis in 12 slides and a sound track, with instructions to express a particular point of point of view on e current social problem within that framework.

WPSX highlights

Sir Cedric Hardwicke heads an all star cast when **Theatre Three** presents en uninterrupted showing of "Nicholas Nickleby" Saturday, April 10, et 9 p.m. The faithful film adaptation of Dickens' novel also stars Dame Sybil Thorndike, Cathleen Nesbitt, Sally Ann Howes, and Stanley Holloway

J. S Bach's "Passion According to St. Matthew" will be presented on a special two-part **Great Performances** program Wednesday and Thursday, April 14 and 15, et 9 p.m. The program features Karl Richter conducting the Munich Bach Orchestra end Choir and the Munich Boys Choir. Solosts include Peter Schreier, Ernst Gerold, Siegmund Minsgern, and Helen Donath. The two-part special will be repeated on Thursday, April 15, at 1:30 p.m. end Friday, April 16, at 1 p.m.

Haggadah — A Search for Freedom, a new Passover orstorio based on the traditionel Passover Haggadah, will be presented Wednesday, April 14, at 10 p.m. It was written by Morton Gold.



"Wilson Theatre" by Stuart Frost

Junk is what you make it

The attics of our minds are crammed with junk most of us would just as soon forget. Not so Stuart Frost. Confronted with a blank piece of paper or canvas, he calls forth a bewildering array of broken chairs and tables, dented plates, old tires, pitchers, pieces of railings, bricks, decaying automobiles, twigs, bent hangers and a host of considerably more ambiguous objects.

They are confronting viewers now in a remarkable series of paintings and drawings which will hang in the Museum of Art until April 11. Because of the enthusiastic response they have evoked, the show moves to the HUB April 18 in the new first floor gallery at the west end of the building.

Professor of art, Stuart Frost is almost a "local." He came to State College as a child — his father was professor of economic entomology in the College of Agriculture — and took his bachelor's degree at Penn State in 1949. As a student, he assisted Henry Varnum Poor in painting Old Main's land-grant murals and later worked with Allyn Cox executing frescoes in the Capitol Bldg. in Washington, D.C. This experience eventually brought him back to Penn State because, after studies at the Skowhegan School of Painting and Sculpture and the Brooklyn Museum School, he was asked by Dean Edward Steidle in 1953 to paint a mural showing the world's mineral resources. It still covers the walls of the Mineral Sciences Auditorium.

During some 23 years here, Mr. Frost has had a number of one-man shows and group exhibitions, both on campus and across the state, and a retrospective exhibit of his career has just been taken down from the walls of Zoller Gallery. But even those viewers who have followed his career with reasonable attentiveness will be unprepared for the scale of the Museum's paintings.

"I'd been working on some complex drawings and one of my feelings was that I'd like to see them larger," the artist explains. "The time was ripe; I had a grant from the Institute for the Arts and Humanistic Studies to take some time off to prepare a show.

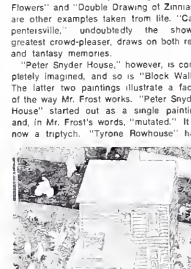
"I had worked myself out of color stages. Rather than wanting to solve color problems, I had became interested in reality problems that seemed colorless. I decided to carry my drawing ideas to maximum size."

Another impetus was his desire to make a kind of reality out of field painting. Field painting, as exemplified by the large abstract canvases of Kenneth Noland or Mark Rothko, allows the viewer to move into the painting without seeing around the edges of it.

"I wanted to see what would happen," Mr. Frost continues, "if you couldn't see around the edges. Also field painting seems to have only one vantage point. I wanted my pictures to pose different meanings to a spectator examining them closely, to one standing at an intermediate distance and to one looking from far off. "Carpentersville" in the show offers an aerial view of a town and seems realistic on one level. But if you stand off, the way the light reflects on the white areas also gives it a feeling of abstraction."

Mr. Frost describes the 17 paintings in the show as both record and memory pieces. For some of them, he simply sat down in front of an object and drew it. He spent three afternoons in Tyrone working on his complex, evocative drawing of the "Wilson Theatre" (and in the process accumulating a good deal of information about the building's past history from passersby who stopped to chat). "Tyrone Rowhouse" and the lovely drawings of "Wild Flowers" and "Double Drawing of Zinnias" are other examples taken from life. "Carpentersville," undoubtedly the show's greatest crowd-pleaser, draws on both real and tantasy memories.

"Peter Snyder House," however, is completely imagined, and so is "Block Wall." The latter two paintings illustrate a facet of the way Mr. Frost works. "Peter Snyder House" started out as a single painting and, in Mr. Frost's words, "mutated." It is now a triptych. "Tyrone Rowhouse" had



"Carpentersville," a detail

sides added. As for "Block Wall," the artist originally made the lower right hand panel because he wanted to resolve the image ot a wall in his mind. Then he began to revise it, spreading it apart and putting a piece in the middle.

"I was two-thirds through the first panel when I thought of the second," he explains, "and two-thirds through the second when I thought of the third. I finished them all together because it was the only way to make a cohesive painting. I actually showed the three bottom panels at Kutztown two years ago and thought the wall problem was solved. Then just this year I looked at it and decided it needed a top half. I designed the three upper panels together to go with the lower ones. I had thought they would finish the wall and make an enclosure, but somehow the wall seemed to grow out of the picture so it's still open-ended.

"My things just seem to get bigger and bigger. I've even wondered whether 'Carpentersville' should have side panels!"

Some of Mr. Frost's memory pictures are begun without preconceptions. Three examples in his current show are "Town," "New Construction" and "Thicket."

"I began," he says, "by just making arbitrary marks on a canvas. They might be straight or curving lines. When I got enough down, I saw how they would make a picture. I had nothing in mind when I started "New Construction," for example. I made a lot of straight lines, which started to look like walls and houses, and that's what they developed into."

Mr. Frost denies any intention ot making a sociological statement with his art.

"I get a sort of visual enjoyment from an automobile junkyard," he comments, "but if I draw one, I'm not saying I want to live there or see it removed. I'm simply sharing my visual enjoyment. I think artists see things in a slightly different way from the general public because we are trained to use our eyes differently. I hope t encourage people to look at things a little more carefully or in different ways. That's my only message.

"I'm also more interested in being ambiguous than in being explicit. I can recall as a student that if an English professor wrote on a theme, 'That's ambiguous,' it was a criticism. But for me, ambiguity allows viewers to read into my work something of their own. The viewer thus becomes part of making a work of art. If you're too explicit it's hard to make your work live for another generation where people may have totally different concepts. I'm willing for people to make out of that junk what they will!"

Art symposium

A Symposium on American Portrait Painting will be presented Tuesday, April 20, in conjunction with the exhibition, "Portraits USA:1776-1976," opening April 18 at the Museum of Art.

Speakers and their topics are:

Wayne Craven, H. F. du Pont Winterthur professor of art history at the University of Delaware and author of "Sculpture in America," will lecture on "Reflections of America In Portraiture 1800-1900: Romantic, Realistic and Introspective."

Harold E. Dickson, professor emeritus of art history at Penn State, will speak on "Some That Got Away."

Walton J. Lord, associate professor of art history at Penn State, will discuss "The American Revolution in Art."

Further information about the symposium, a continuing education service of the College of Arts and Architecture, is available from Room 410 Keller Bldg. or at 865-7557.

Medicine is focus
(Continued from page one)

charges for professional services.

Much of the cross-examination dealt with the College of Medicine budget, which Dr. Prystowsky said is made up of four major components — general funds, University services, contracts and grants, and auxiliary enterprises.

Also under cross-examination, he outlined the procedures for accreditation of the College of Medicine.

During the hearings, the hearing examiner received a petition signed by 219 of 340 faculty members in the College of Agriculture asking "to be excluded from any collective bargaining organization formed to represent the faculty of The Pennsylvania State University."

Mr. Lawrence, es he had done earlier with a similar petition from the College of Earth and Mineral Sciences, ruled that the College of Agriculture faculty has a right to be an intervenor and be heard for the limited purposes of why or why not they should be included in a unit.

The hearings are scheduled to resume at 9 a.m. June 2 et University Park and will continue June 3 and 4.

Funding sources

For further information, call 865-1372

(221-1) The OHEW Public Health Service has issued proposed rules for **institutional health services** governing procedures and review criteria, grants, statewide coordinating council requirements and federal limits for capital participation. (Re 41 FR11687-711, 3/22/76)

(221-4) The Office of Education has issued funding criteria for **FY 1976 graduate and undergraduate international studies programs.** (Re 41FR12732, 3/26/76) (CFDA 13.435)

(221-5) The Public Health Service has issued proposed rules to require appropriate scientific peer review of PHS grant applications and contract proposals for biomedical and behavioral research administered by NIH and ADAMHA. Comments received prior to May 26 will be considered. (Ref. 41FR12985-86, 3/29/76)

FELLOWSHIPS

(For additional information inquire at 317 Kern, 865-2514, Ref. FO NO. 76-5)

(221-6) Bureau of Indian Affairs, scholarships.

(221-7) American Psychological Association, minority students, deadline April 20.

(221-8) National Institute of Law Enforcement and Criminal Justice, for research in Washington, D.C.

(221-9) North Atlantic Treaty Organization in public policy, deadline April 30.

(221-10) Pharmaceutical Manufacturers Association, doctoral dissertation research grants, comprehensive by Aug. 31.

Staff vacancies

This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1367 (network line 475-1367). Applications for these staff vacancies will be accepted until **5 p.m., April 15, 1976, DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

SENIOR SYSTEMS PROGRAMMER, MANAGEMENT SERVICES — University Park

Responsibility for OS/SVS and HASP. Other responsibilities will include system generation, maintenance, modifications, performance and configuration evaluations. Will also assist in directing the work program for systems programmers. Bachelor's degree or equivalent plus two to four years of directly related experience ot which one to two years should be at the Systems Programmer level. Additional desired qualifications: Knowledge of software system generation concepts and techniques, understanding of operating system concepts, general retrieval methods, and capability for independent problem solving software problems.

AREA REPRESENTATIVE — Penn Conservation

Responsible for the functions of development, organization, operation and administration of Continuing Education programs and activities within the assigned geographical district. Bachelor's degree or equivalent with two to three years of directly related experience in business, industry or education.

MEDICAL SOCIAL WORKER II — Hershey

Responsible to the Social Services Coordinator for providing inpatient and outpatient medical social services and provide practical help and emotional support to patients and their families. Master of Social Work degree from an accredited college or university, or equivalent, and two to three years of directly related professional experience.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER

Housing listing available

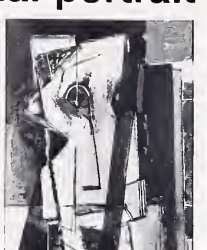
University Park faculty or staff who want to rent their houses can contact Housing Referral Service, Room 313 Willard Bldg., 865-1538. A project of the Faculty Women's Club, the service is open Tuesday from 9.30 to 11:30 a.m. end Thursday from noon to 2 p.m. Fees for being included in the listing are $2 for Faculty Women's Club members and $4 for non-members.

PENN STATE
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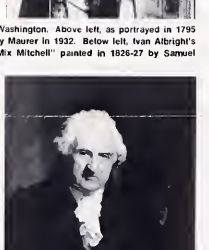
An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Bicentennial portrait show opens Sunday









From Portraits USA, two paintings of George Washington. Above left, as portrayed in 1795 by Adolph Wertmuller; at right, by Allred Henry Maurer in 1932. Below left, Ivan Albright's 1935 "Self Portrait;" right, "Judge Stephen Mix Mitchell" painted in 1826-27 by Samuel F. B. Morse.

"Portraits USA/1776-1976," the special painting exhibition celebrating the Nation's Bicentennial, opens Sunday, April 18, in the Museum of Art.

Sixty portraits, each by a different artist, make up the exhibit, one of four major projects selected for support by the University Bicentennial Commission.

Drawn from private and public collections throughout the United States, the paintings were chosen less for the subjects depicted than for their quality, diversity and historical significance. Planning for the exhibition was begun over three years ago by William Hull, director of the museum, and Dr. Harold Dickson, professor emeritus of art history.

Portraiture was selected as the general category for the exhibition, according to Dr. Dickson, because it allows viewers to see the range of artistic treatments possible in the handling of a similar subject.

Portraits are especially appropriate for a Bicentennial exhibition, Mr. Hull noted, because they vividly reflect their time, not only in the clothes and accouterments of the period but also in the attitude of the artist, to the degree his style was influenced by the time in which he worked.

The earliest portrait in the exhibition is John Trumbull's "Self Portrait," painted in 1777, and the most recent, Andy Warhol's serial portrait of his mother, "Julia Warhola," done in 1974.

Works from the Federal era include Stuart's "Dr. William Samuel Johnson," Copley's "Mrs. John Montresor," and Sully's "Joseph Dugan."

Among the later works are Andrew Wyeth's "Day of the Fair," portraying a shy young girl dressed up to attend a May-time festival at school, and Larry Rivers' "Portrait of J.H.H.," a somewhat unconventional treatment of Joseph Hirshhorn, loaned by the Smithsonian's Hirshhorn Museum and Sculpture Garden.

Also on view will be two treatments of George Washington, one painted in 1795 by Adolph Wertmuller and one in a distinctly different style done in 1932 by Alfred Henry Maurer.

The Bicentennial exhibition is probably the only occasion when these 60 American paintings will be shown together in one exhibit, and one of its highlights is Samuel F. B. Morse's "Judge Stephen Mix Mitchell," termed by some art historians the single most notable American portrait.

Most of the subjects in the paintings are Americans, although there are three exceptions: Nathaniel Jocelyn's "Cinque," an African abducted and enslaved in the mid-nineteenth century slave trade and subsequently freed in the most significant Supreme Court slavery case prior to the Dred Scott decision; Marsden Hartley's Nova Scotian "Adelard the Drowned, Master of the Phantom;" and Jack Levine's "Six Masters: A Devotion."

Henry Varnum Poor, the painter of the Land-Grant frescoes in Old Main, is represented in the exhibit by a 1940 portrait of then-University president Ralph Dorn Hetzel, commissioned by the Board of Trustees. The portrait is tonally keyed to and was to be situated near the frescoes.

Mr. Hull and Dr. Dickson credit their very early start in contacting lenders for their success in putting together the exhibit in a year when many of the portraits were in great demand for exhibits elsewhere. Lenders included the National Academy of Design, the Wadsworth Atheneum, the New York State and Connecticut historical societies, the National Portrait Gallery, the National Gallery of Art and many other public and private collections.

"Portraits USA/1776-1976" will remain on view in the Museum of Art through June 6.

News briefs

Interdisciplinery colloquium

Eight prominent scholars from around the nation will join five Penn State faculty members for an interdisciplinary colloquium on "The Continuing American Revolution in World Perspective" Thursday through Saturday, April 22-24, in Keller Bldg.

Although related to the Bicentennial, the focus of the conference is contemporary, according to Dr. Gerard A. Hauser, associate professor of speech communication and associate director of the Interdisciplinary Graduate Program in the Humanities, which is helping to sponsor the colloquium.

The three-day conference is divided into four broad topics, each of which takes a different perspective on the ways in which recent developments are reshaping men's lives. Themes include The Arts and Revolutionary Consciousness, Politics and Government, the Political Economy, and Consciousness and Revolutionary Change.

The entire conference is open to the public without charge. A listing of speakers, times and dates appears in the weekly INTERCOM Calendar on page 3.

Pitt votes "No Rep"

The results of a run-off election held March 30 and 31 for the faculty in the provost's area at the University of Pittsburgh were announced on Thursday, April 8, by the Pennsylvania Labor Relations Board.

No Representation, the leader in last month's first election, received 662 votes (60.2%). The remaining contender in the election, the Pitt Professional Union (American Federation of Teachers) received 438 votes (39.8%).

The 1,100 faculty voting in the election represented 88% of the eligible voting unit and were just 26 short of the 1,126 unchallenged ballots in the preliminary election. The faculty in the provost's area joined the faculty in the Law School and in the allied health professions who had earlier rejected collective bargaining without a run-off election.

Patrons' renewals asked

The Artists Series reminds patrons that ticket renewals for the 1976-77 season are due by Friday, April 23. Those wishing to change their seat locations should get their requests in as soon as possible since they will be handled in the order in which they are received. For further information or assistance, phone the Artists Series office, 865-1871.

Bonis to lecture

Dr. George P. Bonis, a Visiting Fellow of the Institute for the Arts and Humanistic Studies during April and early May, will deliver two public lectures in his specialty area, the medieval and early modern legal and constitutional development of Eastern Europe.

A Hungarian, Dr. Bonis was formerly professor of legal history at the Universities of Kolozsvar and Szeged. He is currently a scientific advisor to the Institute for Literary Science of the Hungarian Academy of Sciences and serves as vice president of the International Commission for the History of Representative and Parliamentary Institutions. He is the author of more than ten books and 150 articles.

His lectures will be at 8 p.m. in Room 101 Kern Bldg. On Tuesday, April 20, he will discuss "Hungarian Representative Institutions in the Later Middle Ages and the Early Modern Era." His topic on Thursday, April 29, will be "The Hungarian Estates in the Hapsburg Monarchy in the 18th Century."

Alard concert April 21

The Alard String Quartet, which recently completed a concert tour of Georgia and Florida, will perform its final concert of the academic year at 8:30 p.m. Wednesday, April 21, in the Music Bldg. recital hall.

The program includes Mozart's "Quartet in B-Flat Major," Husa's "Quartet #3" and "Quintet for Piano and Strings" by Walter Piston.

Joining quartet members Joanne Zagst and Donald Hopkins, violins, Raymond Page, viola, and Leonard Feldman, cello, for the Piston work will be pianist Steven Smith.

Business Services' open house

There will be an open house at the new Business Services Bldg. from 10 a.m. to 4 p.m. Friday, April 23. The building contains Printing Services, the University's Mail and Addressing Services, Telephone Services' business office and the administrative offices for Copying Center Services. Lewis Mothersbaugh, director of printing and communication services, invites all members of the University community to tour the building.

New Form W-4E due

The Controller's Office reminds employees who filed a Withholding Exemption Certificate — Form W-4E for 1975 that this certificate will expire April 30, 1976, for taxpayers on a calendar year basis. The exemption claimed on Form W-4E must be renewed annually.

If you qualify and wish to continue your exemption, or if you are applying for the first time, you must file a new Form W-4E for 1976. You may claim the exemption from withholding if you had no income tax liability for 1975 and if you anticipate no income tax liability for 1976. Forms are available from the Payroll Department, Room 301 Shields Bldg.

In general, the elimination of the withholding applies only to those working part-time. The principal advantage is that it will eliminate the need to file an income tax return at the end of the year to obtain a refund of money withheld.

(Continued on page four)

PENN STATE COLLECTION

Faculty notes

Frank C. Lordi, an instructor in accounting at the Delaware County Campus, has been named outstanding teacher of the year there. His selection was made after a poll of students, faculty, administrators and alumni of the Campus. A faculty member since 1972, Mr. Lordi holds a B.S. and M.B.A. in accounting from Penn State. He was cited for his "excellent teaching, high standards and concern for students, and his outstanding contributions to all aspects of Campus life."

Dr. Joseph L. French, professor and head of the Department of Special Education, has been awarded a certificate of recognition by the U.S. Office of Education for the Gifted and Talented for the significant contributions he has made to the education of gifted and talented youth.

Drawings and photographs by **Dr. Paul Edmonston,** associate professor of art education, are on exhibit through April 19 at the Harlan Ali Gallery of Seton Hill College, Greensburg. His show incorporates some of the drawings which he showed at Chambers Gallery in 1972, along with a number of new works, many derived from his studies in South Indian and Indian art and aesthetics. There are some 40 photographic images in color and black and white dealing with similar themes, with some landscapes and figures from the West as well.

Three papers co-authored by faculty members in the Department of Industrial and Management Systems Engineering were presented at the annual meeting of the Operations Research Society of America held in Philadelphia March 31-April 2. In addition to delivering a paper on "Approximate Solutions for Some Two-Storage Tandem Queues," **Dr. Matthew Rosenshine,** associate professor, chaired a session on Queueing Theory — Design and Control. **Dr. E. Emory Enscore,** assistant professor, co-authored the paper, "A Simulation to Determine the Initial Location of Automatic Switching Nodes in a Telephone System." "The Operational Evaluation of Social Service Delivery Systems," co-authored by **David L. Raphael,** professor, and students **Carol A. Kunig** and **Gordon D. Smith**, was also presented at the meeting.

Ruth L. Yealon, instructor in theatre arts, served as a theatre consultant in secondary education for the U.S. Department of State at a recent meeting of the Association for the Advancement of International Education in Atlantic City, N.J.

Two from CBA get chairs



Prof. Nelson



Prof. Devereaux

Dr. G. Kenneth Nelson, professor of accounting, and **John Paul Devereaux,** assistant professor of accounting, have received 25-year service awards from the University.

Dr. Nelson holds a B.S. degree from the University of Pennsylvania and M.S. and Ph.D. degrees from the University of Illinois.

A certified public accountant, he has held office in many local, state and national accounting organizations, including two terms on the board of directors of the National Association of Accountants. He is currently national vice president of that organization and regional vice president of the American Accounting Association. In 1960 he was selected for membership in the Stuart Cameron MacLeod Society.

Dr. Nelson's main area of academic interest is managerial accounting. He has written widely on that subject in accounting publications and is co-author, with Prof. Joe Cramer, of the book "Budgeting Problems." As a teacher he pioneered the development of the use of television for teaching accounting.

Dr. Charles L. Newman, professor of law enforcement and corrections services, has been invited to serve as a technical consultant for a national symposium on "Issues and Strategies for Dealing with Drug-Abusing Criminal Offenders," which will be held April 20-23 in Reston, Va. Dr. Newman headed a recent national study on drug programs in jails.

Dr. Frederick Hussey, assistant professor of administration of justice, is the author of an article published in the February issue of "Criminology" on "Perspectives on Parole Decision Making with Juveniles."

Murray recreates 1924 Democratic struggle

A Republican President is disgraced by scandal. His lackluster vice-president finishes his term and, disassociating himself from his predecessor, runs for reelection.

Meanwhile, the Democrats, in a perfect position to take over the White House, head for their nominating convention in Madison Square Garden. But the differences between the urban-liberal wing and the southern-conservative wing produce scores of candidates and scars of acrimony resulting in a Republican victory in November.

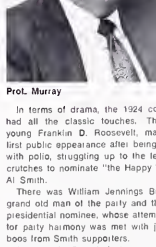
It could be 1976, but this scenario is based on the 1924 Democratic National Convention, which is vividly brought to life in "The 103rd Ballot: Democrats and the Disaster in Madison Square Garden," a new book by Dr. Robert K. Murray, professor of American history. It is being published by Harper and Row.

Dr. Murray describes his book as a popular history.

"I wrote it for the general public," he explains, "but, out of deference to my colleagues, I have put in the back of the book notes which refer to sources even though I dispense with footnotes."

Slated for publication April 21, the book has been selected by the History Book Club and drawn accolades from critics such as Theodore S. White, who termed it, "an exciting reconstruction of one of the most dramatic episodes in American political history."

An adaptation of one chapter of the book appears in this month's "Smithsonian Magazine."



Prof. Murray

In terms of drama, the 1924 convention had all the classic touches. There was young Franklin D. Roosevelt, making his first public appearance after being stricken with polio, struggling up to the lectern on crutches to nominate "the Happy Warrior," Al Smith.

There was William Jennings Bryan, the grand old man of the party and three-time presidential nominee, whose attempt to call for party harmony was met with jeers and boos from Smith supporters.

It was to be Bryan's last convention. The man who had dominated the party for a generation died the next year. Roosevelt, on the other hand, went on to become the hero of the convention, a man who had the respect of all factions of the party, and the man who was destined to dominate the party for the next generation.

According to Dr. Murray, the Madison Square Garden convention "involved more arguments, aroused more passion, left more wounds and shed more political blood than any other single incident" in the Democratic Party's modern history.

The 1924 convention was also a statistical wonder. It lasted longer than any other convention: 16 sweltering days. It was deadlocked for 102 ballots. It heard more speeches, experienced more fist fights, wrote the longest platform, spent the most money and went more deeply in debt. In terms of debris collected, hot dogs consumed and soda pop drunk, it also set a record.

And, because it was the first convention to be broadcast nationwide, the entire country was able to listen to the disaster on radio.

Could it happen again?

"Not likely," answers Dr. Murray.

In spite of the superficial similarities between the 1924 and 1976 conventions (this year's will also be held in Madison Square Garden), the advent of television has made the parties more conscious of their image, and reform in party rules has also lessened the chance of deadlocks.

Dr. Murray is the author of three previous books; "The Red Scare: A Study in National Hysteria 1910-1920," "The Harding Era: Warren G. Harding and His Administration," and "The Politics of Normalcy."

Obituaries

Donald Byrne, assistant professor of English, died April 8 at age 45. A native of Brooklyn, N.Y., Mr. Byrne was captain of the U.S. team in the 1966 Chess Olympics in Havana, Cuba, and won the U.S. Open Chess title in 1953. A member of the faculty since 1961, Mr. Byrne received his B.A. from Yale University and his M.A. from the University of Michigan. Before joining the faculty, he served as an instructor at Valparaiso University and at Olivet College. He was coach and advisor to Penn State's chess team.

Dr. Samuel W. Blizzard Jr., 61, former professor of sociology and rural sociology at the University, died April 6. Dr. Blizzard joined the Princeton faculty as professor of sociology in 1957 after teaching and conducting research in urban and rural community relations at Penn State for 10 years. Prior to joining the Penn State faculty, he taught sociology at the College of Wooster and at Cornell University.

Dr. James H. Moyer, who retired from the faculty as professor emeritus of education in 1962, died April 3. He came to Penn State in 1937, after obtaining a B.S. in agricultural economics at Kansas State and his M.A. and D.Ed. from Columbia Teachers College. Dr. Moyer headed the Department of Secondary Education from its inception in 1959 until he retired. He was a co-author of the book," Planning Co-Curricular Activities."

AAUP to meet

The University Park Chapter of the American Association of University Professors (AAUP) will hold its annual membership meeting at 8 p.m. Monday, April 19, in Room 101 Kern Bldg. The nominating committee will present nominees for the executive board and chapter officers. Nominations may also be made from the floor. Chapter President Robert Scholl will moderate a panel discussion on "After Pitt: Whither Collective Bargaining." A brief report will also be made on the progress of the PLRB unit determination hearings and the Pennsylvania Division meeting at Carlisle.

University Park Calendar

April 15—25

Items to be included in this calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, April 15
Sports: Women's lacrosse, vs. West Chester, 2 p.m.
University Theatre, "The Balcony," 8 p.m., Playhouse Theatre.
University Theatre experimental production, "Jules' Gems," 5:20 p.m., Pavilion Theatre.

Friday, April 16
Sports: Men's lacrosse, vs. North Carolina, 8 p.m.
University Theatre, "The Balcony," 8 p.m., Playhouse Theatre.
University Theatre experimental production, "Jules' Gems," 7:20 p.m., Pavilion Theatre.

Saturday, April 17
Sports: Men's baseball, vs. George Washington, 1 p.m. Men's tennis, vs. George Washington, 2:30 p.m.
University Theatre, "The Balcony," 8 p.m., Playhouse Theatre.
Stone Valley Recreation Area, rental boat operations and private boat launchings begin. For information, call 238-5872.

Sunday, April 18
Chapel Service, 11 a.m., Music Bldg. recital hall. The University Chapel Choir's Easter Concert. Raymond Brown, director, Tommie Irwin, assistant director.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Pastor Gerald G. Loyd, Children's Choir.
Sports: Men's tennis, vs. East Stroudsburg, 2:30 p.m.
Shavers Creek Nature Center, Ecology Walk, 3 p.m., Mineral Industries Bldg., Stone Valley.

Monday, April 19
Exercise Demonstration, Figure Control and Body Awareness, noon, Room 101 Kern. Paul Yarbrough, viola, 8:30 p.m., Music Bldg. recital hall.

Tuesday, April 20
Sports: Men's tennis, vs. Bucknell, 2:30 p.m.
Symposium on American Portrait Painting sponsored by the Friends of the Museum of Art in conjunction with "Portraits USA: 1776/1976," Keller Conference Center.
Poetry reading by Marilyn Hacker, 8 p.m., HUB reading room

Wednesday, April 21
Sports: Men's tennis, vs. Bloomsburg, 3 p.m.
Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.

Thursday, April 22
Interdisciplinary Colloquium on "The Continuing American Revolution in World Perspective," panel discussion with speakers Murray Sperber, Indiana University, Philip Klass, and Bertrand Davezak, moderator, on "The Arts and Revolutionary Consciousness," 2 p.m., Keller. Banquet, 6 p.m., with Norman Graebner, University of Virginia, on "The American Revolution in World Perspective."
Sports: Men's baseball, vs. Gettysburg, 2:30 p.m. Women's tennis, vs. Maryland, 1:30 p.m.
Commons Videotape Lincoln, Kern lobby. "Bikini Season is Right around the Corner," (grooming tips).
Naiads water show, "To Every Thing There Is a Purpose," 8 p.m., Natatorium.
University Theatre's selections from Studs Terkel's "Working," 8 p.m., Room 112 Kern.

Friday, April 23
Business Services Bldg. open house, 10 a.m.-4 p.m.
"The Continuing American Revolution in World Perspective," with speakers William Gamson, University of Michigan, and William Hinton, U.S.-China Peoples Friendship Assn., and John Wilkse, moderator, on "Politics and Government," 9:30 a.m., Keller. Speakers Stanley Aronowitz, Staten Island Community College, CUNY, Manley Irwin, University of New Hampshire, and Charles Crappo, moderator, on "Economics," 2 p.m., Keller. Performance of Modern American music by Alard Quartet, 8:30 p.m., Keller.
Sports: Men's baseball, vs. Duquesne, 2:30 p.m. Women's EAIAW Regionals, 9 a.m.
Folk and Square Dance Roundup, 7:30 p.m., White.
University Readers, selections from Studs Terkel's "Working," 8 p.m., Room 112 Kern.
The Theatre of the Open Eye, 8 p.m., Playhouse Theatre.
Naiads water show, "To Every Thing There Is a Purpose," 8 p.m., Natatorium.
Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.

Saturday, April 24
"The Continuing American Revolution in World Perspective," with speakers George Gerbner, University of Pennsylvania, Marilyn Young, University of Michigan, and moderator E-Tu Zen Sun on "Consciousness and Revolutionary Change," 9:30 a.m., Keller.
Sports: Women's track, EAIAW Regionals, 9 a.m.
Fourth Annual Behrend College Colloquium in History on "Interpretations of the American Revolution: Two Centuries of Controversy."
The Theatre of the Open Eye, 8 p.m., Playhouse Theatre.
Naiads Water Show, "To Every Thing There Is a Purpose," 8 p.m., Natatorium.
"EMAX '76," College of Earth and Mineral Sciences Exposition and Open House, 1-5 p.m., Mineral Industries, Mineral Sciences, and Deike.


Szymon Goldberg

Artists Series, Netherlands Chamber Orchestra, Szymon Goldberg conducting, 8:30 p.m., University Auditorium.

Sunday, April 25
Chapel Service, 11 a.m., Music Bldg. recital hall. Rev. Norman O. Conway, First Baptist Church, North Vandergrift, Pa.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Rev. Samuel L. Jenkins, Black Christian Fellowship Mass Choir.
Shavers Creek Nature Center, Early Morning Bird Walk, 7 a.m.; Ecology Walk, 3 p.m., Mineral Industries Bldg., Stone Valley.
Sy Barash Country Regatta, 11 a.m.-5 p.m., Stone Valley. Sponsored by Beta Sigma Beta and Kappa Delta for the benefit of the American Cancer Society. Registration through April 23.
Sports: Men's baseball, vs. Rider, 1 p.m. Men's lacrosse, vs. Rutgers, 1 p.m.
Charles Nobel, piano, 3:30 p.m., Music Bldg. recital hall.

Seminars

Thursday, April 15
Chemistry, 12:45 p.m., Room 333 Whitmore. Jack Baldwin, MIT, on "Synthesis of Peptide Antibiotics."
Air Pollution Control, 2:20 p.m., Room 145 Fenske. Donald A. Orth, E. I. du Pont de Nemours, Savannah River Plant, S.C., on "Sand Bed Filters."
Physics, 3:50 p.m., Room 117 Osmond. D. Pines, University of Illinois, on "Neutron Stars."
Agronomy, 4 p.m., Room 111 Tyson. Gerald A. Mellish on "Some Effects of Soil Warming and Waste Water Application on Crop Growth and Persistence."
Ceramic Science, 11 a.m., Room 301 Mineral Industries. Dr. L. G. Van Uitert, Bell Telephone Lab., Murray Hill, on "Crystals, Films and Fibers."
Population Issues Research, 2:30 p.m., Room 341 Deike. Dr. John Kantner, Johns Hopkins, on "Teen-Age Sexuality and Fertility in the U.S."
Computer Science, 4 p.m., Room 325 Whitmore. David K. Hsiao, Ohio State, on "The Architecture of a Database Computer, Part I: Concepts and Capabilities."
Meteorology, 4 p.m., Room 26 Mineral Sciences. Dr. Hans A. Panofsky, Evan Pugh Professor of Atmospheric Sciences, on "Threats to the Ozone Layer."
Mathematics, 4 p.m., Room 103 McAllister. Kenneth McAloon, Rockefeller University, on "Completeness and Incompleteness in Mathematical Logic."
Biochemistry and Biophysics, 4 p.m., Room 101 Althouse. Ponny Lu, chemistry, University of Pennsylvania, on "Structure-Function Correlation in the 'Lac' Repressor (Fluorescence and NMR Spectroscopy without Tears)."

Friday, April 16
Entomology and Biology, 1 p.m., Room 101 Althouse. Dr. Richard D. Alexander, University of Michigan, Ann Arbor, on "Speculation in Acoustical Insects."
Computer Science, 4 p.m., Room 325 Whitmore. Nick Cercone, Old Dominion University on "Representing Word Meaning and Factual Knowledge."
Astronomy, 4 p.m., Room 445 Davey. Ira G. Nolle, University of Oregon, on "Infrared Observations of Saturn."

Monday, April 19
New Communities, Architecture, 2 p.m., Room 322 Sackett. Jerome Rothenberg, Office of Policy Development and Research, Div sion of Energy Building Tech., on "Design of Utilities and Their Implementation Process in An Arid City."
Genetics, 3:55 p.m., Room 111 Tyson. Richard Cleveland, agronomy, on "Goals in the Breeding of Red Clover."
Organic Chemistry, 8 p.m., Room 333 Whitmore. William Smolnycki on "Syntheses Involving Palladium Salts."

Tuesday, April 20
Analytical Chemistry, 12:45 p.m., Room 445 Davey. D. H Waugh on "Peak Enthalpometry and Thermometric Titrations of Thiols."
Solid State Physics, 1 p.m., Room 339 Davey. Dr. F. H. Fenton, ARL, on "Solitons, a Phenomenological Review of their Properties with an Assessment of their Potential Application to Acoustics and Solid State Phenomena."
Solid Waste, 2:20 p.m., Room 140 Fenske. Edward Vitunac, consultant, Pittsburgh, on "The Politics of Promoting Public Solid Waste Systems."
Physics, 3:50 p.m., Room 117 Osmond. Charles Shank, Bell Telephone Lab., Murray Hill, on "Ultra-short Optical Pulses and Semiconductors."
Astronomy, 4 p.m., Room 445 Davey. Dr. Janet R. Lesh, University of Denver Observatory, on "The Enigma of the Beta Cephei Stars."
Engineering Mechanics, 4 p.m., Room 232 Hammond. J. G. Kaufman, Senior Engineering Associate, ALCOA, on "High-Temperature Sustained Load Crack Growth (Creep Cracking) of Aluminum-Copper Alloys."
Inorganic Chemistry, 8 p.m., Room 333 Whitmore. Dr. A. P. Ginsberg, Bell Telephone Lab.

Wednesday, April 21
Chemistry, 12:45 p.m., Room 333 Whitmore. Donald F. Smith, Northwestern, on "On-line Fourier Transform Data Processing Applications in Electrochemistry."
Air Pollution Control, 2:20 p.m., Room 145 Fenske Jiri Tichy, architectural engineering, on "Methods of Measurement of Noise Emissions from Machines."
Anthropology, 3:30 p.m., Room 112 Kern. Dr. David Maybury-Lewis, Harvard, on "The Study of Dual Organizations in South America."
Physics, 3:50 p.m., Room 117 Osmond. Martin Klein, Yale, on "The Early Career of Willard Gibbs."
Agronomy, 4 p.m., Room 111 Tyson. J. Harold Stern on "Nitrogen Utilization by Several Irrigated Tropical Forage Grasses on Oolitic Limestone Soil on Andros, Bahamas."
Meteorology, 4 p.m., Room 26 Mineral Sciences. Dr. Robert Ellingson, Institute for Fluid Dynamics and Applied Mathematics, University of Maryland, on "Preliminary Results of a Gate Long Wave Radiation Study."

Friday, April 23
Geosciences, 4 p.m., Room 22 Deike. Dr. Malcolm Ross, U.S. Geological Survey, on "The Mineralogy and Petrology of Pyroxenes in Igneous and Metamorphic Rocks."

Lectures

Thursday, April 15
Fitzhugh W. Boggs Memorial lecture, 2 p.m., Room 112 Kern. Dr. Matthias Hubert, acoustics, Technical University, Berlin, on "Recent Developments in Architectural Acoustics."

Monday, April 19
York Campus Lecture Series, 2 p.m., York Campus. Alfred Kazin, Hunter College, CUNY, on "Images and the American Revolution in American Writing."

Tuesday, April 20
Department of History and Institute for the Arts and Humanistic Studies lecture, 8 p.m., Room 101 Kern. Dr. George Boniface, Visiting Professor of History and Fellow of the Institute for the Arts and Humanistic Studies, on "Hungarian Representative Institutions in the Later Middle Ages and the Early Modern Era."

Friday, April 23
German Department Lecture Series, 8:30 a.m., Room 101 Kern. Walter Picard on "Germany In a Changing World."

Films

Monday, April 19
Free Shakespeare film, "Hamlet" (Williamson, Richardson), 6:30 p.m., Room 101 Chambers.
French Film Series, "Children of Paradise," 8 p.m., Room 112 Kern.

Tuesday, April 20
Free Shakespeare film, "Hamlet" (Olivier), 6:30 p.m., Room 101 Chambers.
Artist Series film, "81/2," 8:30 p.m., University Auditorium.

Meetings

Friday, April 16
GSA, 8 p.m., Room 101 and 102 Kern.

Monday, April 19
AAUP annual membership meeting, 8 p.m., Room 101 Kern.

Tuesday, April 20
Senate Council, 2 p.m., Room 101 Kern.

Wednesday, April 21
Ag Advisory Council, 9 a.m., Room 101 Kern.
Grad Council, 2:30 p.m., Room 101 Kern.

Thursday, April 22
College of Education Faculty Council, 2:30 p.m., Room 101 Kern.
Penn State Chapter of Sigma Xi, initiation banquet, 6:30 p.m., Nittany Lion Inn. Provost Russell E. Larson on "Scientific Research at Penn State: Some Thoughts of Things to Come."

Exhibits

Museum of Art: Portraits USA: 1776/1976.
Zoller Gallery: Student Drawing and Printmaking Exhibition.
Kern Gallery: W. C. Handy Jazz Exhibit; Tom McKinney, paintings.
Chambers Gallery: American Evolution in Art by Art Alliance, until April 22.
HUB Gallery: Recent Work by Stuart Frost, opening April 18.
HUB Main Lounge: Sulling Everyone (Smithsonian Traveling Exhibition Service), opening April 17.
Pattee Library: Main Lobby — The Ukranian Heritage in North America by W. O. Luciw, until April 19. An exhibit from the Entomology Department by David Shetlar, opening April 20. East Corridor Gallery — The Work of Wendell Mac-Rae. Lending Services Lobby — Drawings and Paintings by Bill Diaz.

Poet to read

Marilyn Hacker, an award-winning poet and a feminist, will present a reading of her poetry Tuesday, April 20, at 8 p.m. in the HUB Reading Room. Ms. Hacker's first book of poetry, "Presentation Piece," published by Viking Press in 1974, won the Lamont Poetry Selection of the American Academy of Poets and the National Book Award for poetry in 1975. The reading is sponsored by the Department of English and the Institute for the Arts and Humanistic Studies.

Chamber orchestra

The Netherlands Chamber Orchestra, conducted by Szymon Goldberg, will appear in concert at 8:30 p.m. Saturday, April 24, at University Auditorium as the final event in the Artists Series' Music Series.

Founded in 1955, the 31-member company still includes most of the musicians who comprised the original group. Mr. Goldberg is a violinist as well as conductor and has appeared as a soloist with all the world's major orchestras.

The program will feature Bach's "Brandenburg Concerto No. 3 in G Major," "Violin Concerto No. 5 in A Major, K. 219" by Mozart, "Divertimento for Strings" by Bartok and "Symphony No. 57 in D. Major" by Haydn.

Tickets will go on sale from 9 a.m. to 4 p.m. Wednesday, April 21, at the HUB Booth and University Auditorium.

Week's highlights from Channel 3

Film producer and director Stanley Kramer talks to Edwin Newman on **Speaking Freely** Saturday, April 17, at 6 p.m.

Exiled Russian novelist Alexander Solzhenitsyn expresses grave doubts about the future of the West on **Firing Line** Saturday, April 17, at 7 p.m. Talking with Michael Charlton of the BBC, Mr. Solzhenitsyn reflects on world events since his exile and comments on what he sees as moral decay and self-deception in the West. Following the interview, William F. Buckley Jr. discusses the impact of the novelist's remarks with Malcolm Muggeridge and Bernard Levin.

John Cranko's ballet, "The Taming of the Shrew," is performed by Germany's Stuttgart Ballet in a 90-minute special program Sunday, April 18, at 10 p.m. The production features music by Domenico Scarlatti.

Conductor Antonia Brico is featured in two special programs. Monday, April 19, at 7:30 p.m., she talks to interviewer Jeanne Woll about being a woman in a profession dominated by men. Then, on Tuesday, April 20, at 9 p.m., WPSX-TV presents "Antonia: A Portrait of the Woman," an hour-long documentary produced by Judy Collins and Jill Godmilow, which has received widespread critical acclaim.

Archibald MacLeish narrates "The Eleanor Roosevelt Story" Tuesday, April 20, at 10 p.m. The Academy Award-winning documentary follows the life of Eleanor Roosevelt from her childhood through her role in the career of Franklin Roosevelt and her eventual international recognition for humanitarian efforts on behalf of the world's poor. Also appearing on the program are Eric Severeid and Mrs. Roosevelt's close friend, Mrs. Francis Cole.

A live performance of the New York City Opera's "The Ballad of Baby Doe" is presented on **Live from Lincoln Center** Wednesday, April 21, at 8 p.m. Written by composer Douglas Moore and librettist John Latouche, the opera is set in 1880 in Colorado and tells the story of Elizabeth "Baby" Doe, the first woman ever elected to work in an American mine. The special live performance stars Ruth Welting in the title role, Richard Fredricks as Horace Tabor, and Frances Bible as Augusta Tabor.

The world's most populous nation is seen from the perspective of the man who led it to a position of world power on "Mao's China," a two-hour special documentary Thursday, April 22, at 9 p.m. Included is rare footage of China in the early 20th century as well as the only known sequence of Chairman Mao giving a speech.

Funding sources

For further information, call 865-1372

(222-1) The **U.S. Environmental Protection Agency** (EPA), Office of Research and Development, has issued its **FY 1976 Program Guide** including: an organizational directory, research program descriptions in health and ecology, energy, industrial processes, public sector and technical support, and guidelines for grant applications and contract proposals. (Ref. lib)

(222-2) Proposed regulations on a May 14 agency deadline date have been announced by the Office of Education for **Domestic Mining and Mineral and Mineral Fuel Conservation Fellowships** (includes oil, gas, coal, oil shale, uranium). Fellowships will be allocated to institutions and will be for graduate study (new and continuation) or for doctoral dissertations. The stipend will be $3000 per year (12 months), plus dependency and travel allowances (dependency receipts: 150 per year (w/o dependency) (Ref. 41FR14364-66, 14423; 4/5/76) (GFDA lib)

(222-4) The National Science Foundation funds a **Climate Dynamics Program** to develop a basis for predicting climate variations and assessing their impact on human affairs. Four areas of research are defined: climate data assembly and analysis, climate index search, climate simulation and prediction and climate modification and impact assessment. Six months are required for proposal review. (Ref. NSF 76-6 — Guide for Preparation of Proposals)

(222-5) The U.S. Department of Justice has issued a Program Plan for FY 1976, in the form of an invitation to criminal justice practitioners and researchers to discover new and improved methods to reduce crime and make the justice system more effective and fair. Programs funded by the Office of Research, Evaluation, and Technology Transfer are discussed, and application procedures are provided. (Ref. lib)

Scientists not supermen

The conventional wisdom that scientists are superintelligent creatures of reason, blessed with objectivity, open-mindedness and humility is challenged by a Penn State psychologist in this month's "Psychology Today."

Dr. Michael J. Mahoney, associate professor of psychology, argues that "the image of the scientist is obviously due for reappraisal," in his article titled "The Truth Seekers."

Although he concedes that scientists tend to score higher on intelligence tests than non-scientists, he attributes this to the selective process of graduate schools. Recent studies indicate, according to Dr. Mahoney, "that superior intelligence plays a minor role in scientific contribution."

As for the rationality of scientists, Dr. Mahoney reports that a study which he conducted found few differences in the reasoning skills of scientists and non-scientists.

The Penn State psychologist disputes the picture of the scientist suppressing personal preferences and emotions in the interest of securing the truth. He cites a survey he conducted of 75 behavioral psychologists whom he asked to review a controversial psychological research paper. The reviewers "tended to recommend the article only when it reported evidence that supported their positions."

Dr. Mahoney also cites the University of Pittsburgh study concerning the reaction of geoscientists to new data brought back by the Apollo program — theoretical scientists often refused to change their views even "in the face of strong contradictory evidence."

Challenging the picture of the unselfish scientist seeking knowledge rather than advancement, Dr. Mahoney cites rivalries and fights for recognition among scientists in history, and says that, according to contemporary interviews, "secrecy, paranoia and the race for recognition are still integral parts of the profession."

The article is based on a book by Dr. Mahoney, "The Scientist: Anatomy of the Truth Merchant," to be published this spring by Ballinger. Dr. Mahoney is also the author of "Cognition and Behavioral Modification," co-author of four other books and editor of the journal, "Cognitive Therapy and Research." He holds a doctorate in experimental psychopathology from Stanford.

News briefs

(Continued from page one)

No action on double majors

The University Faculty Senate has approved changes in policies on simultaneous and sequential degree programs for undergraduate students.

Among the changes approved at the April 6 Senate meeting was a provision for allowing simultaneous degrees for associate degree programs.

Recommendations on double majors, however, were referred back to the Senate Committee on Undergraduate Instruction for resubmission to the Senate at a later date.

The Senate also heard a report from a special committee whose study of the tuition reduction program showed it is widely used by all types of employees and is not a benefit used predominately by faculty and other academic employees.

The study showed that similiar programs exist at virtually every institution where tuition is in excess of $900 a year and that the "cost" of the tuition reduction program to the University is substantially less than the cost of one percent salary increase across the board.

In other business, the Senate approved abolishing grades for proficiency examinations; approved changes in rules on course prerequisites, heard a report from the Subcommittee on Grading, and heard a progress report on the Penn State Faculty Club.

Provost to speak

The Penn State Chapter of Sigma Xi, the Scientific Research Society of North America, will hold its initiation banquet at 6:30 p.m. Thursday, April 22, at the Nittany Lion Inn. Provost Russell E. Larson will speak on "Scientific Research at Penn State: Some Thoughts of Things to Come." The affair is open to Sigma Xi members, initiates and their guests.

Readers perform April 22-23

Selections from "Working," Studs Terkel's best-selling book of interviews with people about their jobs, will be presented by the University Readers at 8 p.m. Thursday and Friday, April 22-23, in Kern auditorium. The readers have chosen approximately 15 interviews, highlighting the relationships of job prestige to employee pride and of income to job satisfaction. The program is open to the public without charge

New TV option

A new programming option, "Panorama," is being offered to cable television subscribers in northeastern Pennsylvania by the University's Worthington Scranton Campus. The Continuing Education service is presenting college credit and non-credit courses — Psychology 13 and The Business of Writing, for example — and special programs such as The Classical String Quartet Programming is scheduled from 9 a.m. to 5 p.m. with no commercial interruptions, and programs are rotated into different time slots to make them available to viewers at various times during the week

The concept for the television-instructional programming was developed over the past year by the Pennarama Advisory Council. Council members from the Campus include Robert W. Naismith, assistant professor of biology and Council chairman; Campus Director Dr. Edward K Kraybill; Ralph L. Mastriani, assistant director for resident instruction; Dr. Lawrence B. Golden, associate professor of physics; Dr. Basil Karp, associate professor of psychological science; Dr. Richard J. Fitzsimmons, librarian; Robert H. Sanford, assistant director for continuing education; two students, Patrick Judge and Gene Doud, Angelo Rosati, member of the Worthington Scranton Campus Advisory Board, and Joseph Gans, president of Northeastern Pennsylvania TV Cable Co.

Water show on tap

The members of the Nalads Synchronized Swimming Club will present their annual water show at 8 p.m. Thursday, Friday and Saturday, April 22-24, in the Natatorium. The show's theme is taken from a quotation in Ecclesiastes 1:9: "For Everything There Is a Purpose, and a Time for Every Season . . . ." The 12 routines, varying from a solo to a team routine with 12 swimmers, explore different times of life — a time to love, a time to dance, a time for war, etc. Five of the routines have already won prizes in eastern regional competition this year. Tickets, at $1, will be available at the door or in advance at SAS Sporting Goods, White Bldg. and the HUB desk

"Bikini workshops"

Kern Graduate Commons and the Graduate Student Association are sponsoring a series of workshops titled, "Bikini Season Is Just Around the Corner" for interested students, faculty and staff. The program opens Monday, April 19, and will run from noon to 1:30 p.m. in Room 101 Kern Bldg. Margaret Beldon and Dr. Dorothy Harris of the College of Health, Physical Education and Recreation will speak on "Figure Control and Body Awareness" and "The Importance of Lifetime Leisure Activities for Women." An exercise demonstration is planned. Subsequent programs on April 26, May 3 and May 10 will offer information on nutrition, health, hair styling and fashions.

Rare Books' exhibit

Five early published editions of "The Star Spangled Banner" and original letters from Benjamin Franklin, George Washington, Robert E Lee and Woodrow Wilson, as well as a sampling of sheet music from various periods of American history, are among more than 75 items on display in Pattee's Rare Books Room through April 23. The exhibit is on loan from Broadcast Music Inc. (BMI).

Time to check hospital charges

Faculty and staff members should periodically review the reduction which is taken from their paychecks for hospital coverage to be certain that they are paying for the correct coverage.

Changes in family status can affect costs and coverage; these may include getting married, having a child or having a spouse stop working for the University. Such alterations can result in an employee have inadequate dependent coverage.

Accordingly, the Employee Benefits Division suggests that coverage should be checked under the following circumstances:

1. When a spouse or child begins working for the University as a regular employee
2. If a spouse or only child dies.
3. When a divorce occurs.
4. If an only dependent child enters military service or has a 19th birthday (or 23rd birthday in the case of a full-time student).
5. When an only dependent child gets married
6. When a spouse reaches age 65

To determine proper coverage and payments, employees should compare the amounts shown on their salary check stubs with the amount they should be paying, as shown in the following table.

INSURED PERSONS	MONTHLY	BI-WEEKLY
Employee only	none	none
Employee, child, children	$1.75	$.80
Employee, spouse, child or children	$5.00	$2.30

(These rates apply when all insured persons are under age 65. Persons over age 65 are insured at a different plan at no cost.)

Employees wishing to make changes in their coverage should call, write or visit Employee Benefits, Room 113 Willard Bldg. 865-1473. Since the University has no way of knowing whether a change should be made, employees must take responsibility for seeing that their records are updated and accurate. No refunds for overpayment can be made unless it has been shown that the University was in error.

Staff vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been filled with the University Employment Division for listing. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, ext. 1387 (Outwork line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., April 26, 1976. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

AUDITOR, CONTROLLER'S OFFICE — University Park

Responsible for performing audits to ascertain compliance with policies and procedures, adequacy and reliability of management reports, soundness of accounting and operating controls and safeguarding of the assets of the University. Bachelor's degree in accounting or related management field together with at least 2 years of directly auditing experience in financial or operational facets of administration.

ASSISTANT MANAGER, ARTISTS SERIES — University Park

Responsible to the Manager for the operational aspects of the Artists Series to include budget control, ticket accountability, planning and staff supervision. Must have a minimum of 3 years of college or equivalent experience in management or equivalent managerial experience. Should have strong commitment to the arts.

ATOMIC ENERGY SPECIALIST, NUCLEAR ENGINEERING — University Park

Responsible for presenting "The Atomic World Program" to students in assemblies and classroom sessions and for developing, preparing, presenting and informing students and the public on the peaceful applications of nuclear power. Bachelor's degree, or equivalent experience or related area. Some teaching experience desirable.

ENERGY EDUCATION SPECIALIST, NUCLEAR ENGINEERING — University Park

Responsible to the Head, Department of Nuclear Engineering, for presenting various programs including Energy Today and Tomorrow to high school groups, civic and service organizations, employee groups, seminars, and institutes. Bachelor's degree, or equivalent, in a physical science with 3 to 5 years of directly related experience. Graduate advanced work in an energy related field or knowledge of teaching techniques and educational methods.

BUSINESS MANAGER — Schuylkill Campus

Responsible to the Director for the administration of Campus facilities, bookstore activities, custodial staff, maintenance of budget records, purchasing activities and related responsibilities. Baccalaureate degree, or equivalent. Business background or experience would be desirable

THE UNIVERSITY IS AN EQUAL OPPORTUNITY/ AFFIRMATIVE ACTION EMPLOYER

PENN STATE intercom

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News briefs

Fulbright-Hays visitor

A representative from the Council of the International Exchange of Scholars will be on campus Monday, April 26, to discuss the Fulbright-Hays Senior Fellows Program. He will be available to discuss the program and its application procedures at 8 p.m. in the Assembly Room at the Nittany Lion Inn. All interested faculty are invited to attend.

Faculty convocation May 11

President **John W. Oswald and Mrs. Sally Small, chairman of the University Faculty Senate, will address the faculty** of the **University at the third annual University-wide Faculty Convocation to** be held **at 4 p.m. Tuesday, May 11.**

University Park faculty members can attend **the program at University Auditorium, as schedules permit. To accommodate faculty at other locations,** a simultaneous broadcast will be made to each **of 21 other locations where** faculty **can gather in an area convenient** to them.

Since **construction of University Auditorium, President Oswald has held an** annual **convocation for the faculty.**

Berg to speak

Dr. Paul Berg, Alumni Fellow of the College of Science, will discuss "Genetic Engineering: Challenge and Responsibility" at 8 p.m. on Wednesday, April 28, in Room 108 Forum Bldg. Willson Professor of Biochemistry at Stanford University, Dr. Berg is a world renowned leader in the sometimes controversial field of "genetic engineering." Work on the genetic apparatus that directs the synthesis of proteins earned Dr. Berg the Eli Lilly Award in Biochemistry.

His current research is on the mechanism of gene expression in higher organisms, particularly the interplay of viral and cellular genes in regulating growth and division. In addition, he and his colleagues have been active in the research which made possible the recent advances in gene manipulations and in the attempts to consider the potential biohazards such experiments portend. These basic approaches are aimed ultimately at developing the basic knowledge for the prevention, management and possible cure of such heredity diseases.

Middle East lecture

"U.S. Intelligence and Diplomacy in the Middle East, 1950-1973" will be the subject of a public lecture by Dr. Gordon H. Torrey, professorial lecturer at the School of Advanced International Studies, at 7:30 p.m. on Monday, April 26, in Room 101 Kern Bldg.

Prof. Torrey received his B.A. and M.A. degrees from Oregon and his Ph.D. from Michigan. He has taught courses on Middle Eastern history and U.S. foreign policy in the Middle East at the Foreign Service Institute, the National War College, and the Naval War College. For many years he headed the Arab States/Israel Branch of the Office of Current Intelligence. He is the author of "Syrian Politics and the Military" and numerous articles. His lecture is sponsored by the Middle East Studies Committee.

Spring things







Israeli consul will talk

Emanuel Shimoni, consul general of Israel from Philadelphia, will speak on "The Middle East, the United States and the United Nations" at 8 p.m. on Wednesday, April 28, in the HUB assembly room. Mr. Shimoni has been in government service in Israel since 1952 and served as a member of the Israeli delegation to the United Nations' General Assembly. He is a close associate of former Secretary of State Abba Eban. His talk is sponsored by American Professors for Peace in the Middle East.

Mr. Shimoni will also conduct a joint political science and history graduate seminar at 4 p.m. on April 28. Further information is available from Prof. Arthur Goldschmidt at 863-0061.

Faculty women's luncheon

The Faculty Women's and Newcomers' Clubs are sponsoring a spring luncheon Thursday, April 29, in the HUB ballroom. Dr. Norman A. Graebner, distinguished visiting professor of history, will talk on "Philadelphia and the American Revolution." The 12:30 p.m. luncheon will be preceded by a reception in the HUB lounge at 11:30 a.m. Reservations are due today (Thursday).

President gets award

President John W. Oswald will return late this month to the scene of his boyhood days, La Grange, Ill., to receive the Honor Award of the La Grange Area Historical Society.

The award, explains Edward J. F. Young, president of the Society, is made to a person who is "related to the La Grange Area and who has either achieved prominence which reflects favorably on the area, or who has made considerable contribution to the community."

Dr. Oswald is a graduate of Lyons Twp. High School in La Grange, and he has been invited to visit the school on April 29, the day following the Historical Society Award presentation, to be honored by the school and also to address teachers and student leaders at the school.

Rubin on Colloquy

Jerry Rubin, co-founder of the Yippie Movement and a member of the Chicago Seven, will talk on "Growing Up," under the sponsorship of Colloquy, at 8 p.m. Sunday, April 25, in University Auditorium. Author of "Do It," Mr. Rubin will discuss the external politics of the 1960s and his internal exploration of the 1970s.

Nicholas to discuss India

Dr. Ralph W. Nicholas, professor of anthropology and of social sciences in The College of The University of Chicago, will present a public lecture at 7:30 p.m. Thursday, April 29, in the HUB main lounge. His subject is "The Indian Political Crisis and American Scholarship."

Dr. Nicholas is editor of the "Journal of Asian Studies" and vice president of the American Institute of Indian Studies. His lecture is sponsored by the South Asia Committee of the College of the Liberal Arts, the University Committee on International Programs and the Department of Anthropology.

Springtime HUB dinner

Since it's staying lighter longer, the HUB Terrace Room has decided to substitute a Springtime Serenade for its Easter Candlelight Dinner on Friday and Saturday, April 23 and 24, from 4:45 to 7 p.m. Phi Mu Alpha music fraternity will provide entertainment, and the menu features chicken divan, prime rib of beef au jus, veal cordon bleu, roast leg of spring lamb, shrimp Florentine, fruited pork chops, and an assortment of choice vegetables, fresh salads and desserts.

Caldwell is May speaker

Sarah Caldwell, artistic director of the Opera Company of Boston and one of the leading opera directors in the United States, will return to Penn State on May 29 as the commencement speaker.

The commencement exercises, with an estimated 35,000 persons in attendance, will be held in Beaver Stadium at 10:30 a.m., according to President John W. Oswald. Miss Caldwell was chosen as speaker in consultation with a selected group of student leaders.

Early in February, Miss Caldwell conducted the Pittsburgh Symphony Orchestra and was artistic director for the production, "Be Glad Then America," presented at the University as one of four major events in commemoration of the Nation's Bicentennial.

Miss Caldwell is the first woman to conduct at the Metropolitan, and her Opera Company of Boston has been called the most exciting of its kind in the country. Her latest venture, Opera New England, a regional company, is financially successful et a time when many arts groups face insolvency.

Harvard University a year ago honored Miss Caldwell with an honorary doctor of arts degree, and she also holds doctor of letters degrees from Boston College, Wheaton College, Northeastern University, Regis College and Smith College.

Black studies meeting set

A Conference on the Dimensions of Black Studies for Educational Institutions in Pennsylvania will be held at the University Friday and Saturday, April 30 and May 1.

A Continuing Education service of the Intercollege Undergraduate Program, the conference has been organized by the University's Black Studies Committee. It is designed to assist Pennsylvania teachers and administrators at all levels of education in using available opportunities to include materials on the black experience in courses offered at their schools.

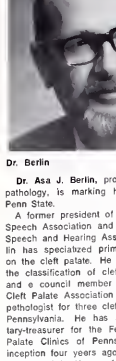
The conference will begin at 8 p.m. Friday with a keynote address by Dr. Frank Brown, associate professor of education at SUNY, Buffalo. He will speak on "Black Studies, Values and Power in a Pluralistic Society." Dr. Brown, who has a Ph.D. and M.A. from the University of California at Berkeley, has published widely in his areas of specialization — educational policy, resource allocations, urban education, and minorities in higher education.

Dr. George French, director of social studies in the Philadelphia School District, will address a general session of the conference Saturday at 9 a.m. His talk will be followed by workshops on Black Studies and Curriculum Planning and on The Relationship of Black Studies to Intergroup Education. After lunch, workshops will be offered on Teaching about the Afro-American Experience and Teaching about Africa and the West Indies.

Penn State faculty and staff interested in attending the conference can obtain further information from Hubert S. Sharpe Jr. at the Conference Center, Room 410 Keller Bldg., or by calling 865-7557.

PENN STATE COLLECTION

Faculty notes



Dr. Berlin

Dr. Asa J. Berlin, professor of speech pathology, is marking his 25th year at Penn State.

A former president of the Pennsylvania Speech Association and the Pennsylvania Speech and Hearing Association, Dr. Berlin has specialized primarily in research on the cleft palate. He has published on the classification of clefts, was historian and e council member of the American Cleft Palate Association and was speech pathologist for three cleft palate teams in Pennsylvania. He has served as secretary-treasurer for the Federation of Cleft Palate Clinics of Pennsylvania since its inception four years ago. He also was a member of the House of State Representatives and chairman of the Nomenclature Committee of the American Speech and Hearing Association.

Dr. Berlin received his B.A. from Brooklyn College. His M.A. was granted by the University of Wisconsin and his Ph.D. by Northwestern, both in speech pathology. He worked as a speech pathologist in the Army during World War II and taught at Brooklyn College before joining the Speech and Hearing Clinic faculty here in 1950. During his 25 years on the faculty, Dr. Berlin was in charge of the Child Diagnostic Clinic and coordinated the Children's Residential Clinic every summer from 1951 until the conclusion of the program in 1972. He was active in the University Faculty Senate, chairing the committee on Academic Affairs and several of its subcommittees. He was also chairman of the University Calendar Commission from 1973 to 1975.

Dr. Nathan N. Aronson Jr., associate professor of biochemistry, has been awarded a British-American Research Fellowship for study at the Strangeways Research Laboratory, Cambridge, England. The Fellowship is supported by both the British and American Heart Associations to promote research in the field of cardiovascular function and disease and allied fundamental problems. Dr. Aronson's proposed program of research on the breakdown of proteins, which will be conducted while he is on leave from the University from September, 1976, to August, 1977, also recently won him a Guggenheim Foundation Fellowship, which he has declined.

A member of the faculty since 1969, Dr. Aronson is a graduate of Rice University and received his Ph.D. degree from Duke. He also was a Helen Hay Whitney postdoctoral fellow at Rockefeller University and Vanderbilt University.

Dr. William A. Steele, professor of chemistry, is among 300 scholars, scientists and artists from across the country honored with John Simon Guggenheim Memorial Foundation Fellowships. He plans to conduct research at the University of Bristol, England, under the Fellowship and will also serve as Unilever Visiting Professor there while on leave from December, 1976, to June, 1977. The professorship is reserved for overseas scholars who take part in a special postgraduate course in surface and colloid science. Dr. Steele will offer about 12 lectures in the program. A member of the faculty since 1955, Dr. Steele has also held a National Science Foundation postdoctoral fellowship at the Clarendon Laboratory of Oxford University, England; a National Science Foundation senior postdoctoral fellowship at the Free University of Brussels, Belgium; and an Overseas Fellowship at Churchill College, Cambridge University, England.

A specialist in the study of the thermodynamic and structural properties of liquids, he is the author of over 90 scholarly publications.

George Zoretich and **David Rubello,** both of the University art faculty, and **Yar Chomicky,** professor of art education, are each represented by three paintings in the 1976 Invitational Watercolor Exhibit at Millersville State College.

A paper by **Dr. Erwin W. Mueller, Evan** Pugh Professor of Physics, and **Dr. S. V. Krishnaswamy,** a research associate, was featured as the Plenary Lecture at the Discussion of Organic Coatings and Plastics Chemistry during the Centennial Meeting of the American Chemical Society, April 5, in New York City. The paper is titled "Surface Analysis at the Atomic Level Using the Atom-Probe."

John Balaban, assistant professor of English, has been awarded e Fulbright-Hays Lecturership in American Literature at the University of Cluj in Romanie for 1976-77. Mr. Balaban is the author of "After Our War," which won the 1974 Lamont Poetry Selection for a best first book of poetry. He is the second member of Penn State's English Department to be awarded a lecturership for next year. **Michael H. Begnal,** associate professor of English, will teach at Charles University, Prague.

Dr. Roger M. Herman, professor of physics, presented a colloquium at the University of Windsor, Ontario, April 7. He discussed, "Nonlinear Optical Phenomena in Germanium."

Dr. E. Michael Van Buskirk, assistant professor of surgery, will deliver a paper on "Changes in Facility of Aqueous Outflow Induced by Lens Depression and Intraocular Pressure" at the national meeting of the Association for Research in Vision and Opthamology April 26-30 in Sarasota, Fla.

Dr. Torrence Parsons, associate professor of mathematics, presented a talk at the Combinatorial Problems Semnar, Department of Mathematics, Princeton University, April 2. His topic was "Pursuit-Evasion in Graphs."

"Paradoxical Bronchospasm Induced by Aerosols" was the title of a paper presented by **Dr. Joseph J. Trautlein,** assistant professor of medicine, at the 57th annual meeting of the American College of Physicians April 8 in Philadelphia. His co-authors were **Dr. Joseph Allegra,** resident in medicine, and **Marilyn Gitlan, R.N.**

Dr. Wayne H. Scott, assistant professor of English at Behrend College, recently presented a paper entitled "Images of Independence. Popular Verse and the American Revolution" at the Western Regional Meeting of the Popular Culture Association in Las Vegas. He will participate in a panel on "The Fantasies of Edgar Rice Burroughs" April 23 at the Sixth National Popular Culture Association meeting in Chicago. His paper deals with "Burroughs' Venusian Fantasies and the Use of Myth." On April 24, he will speak on "American Independence and Popular Culture. A Revolution in Verse" as part of the Fourth Annual Colloquium in History at Behrend. Dr. Scott has also recently been selected as an abstracter for "Abstracts of Popular Culture," a publication of the Center for the Study of Popular Culture at Bowling Green State University.

Patrice A. Clemson has been named assistant librarian in the catalog department of the University Libraries. She is a graduate of Muhlenberg College, with a B.A. in political science, and received her M.L.S. at the University of Pittsburgh.

"The Cariogenicity of a Lysine-Deficient Diet" is the title of a paper written by **Dr. Ira Wolinsky,** associate professor of nutrition, graduate student **Jeffrey A. Senior,** and **Dr. G. Lynn Brinkman,** a former faculty member. The paper was presented April 15 at the annual meeting of the Federation of American Societies for Experimental Biology in Anaheim, Cal.

Dr. Kenneth D. Frandsen, professor of speech communication, discussed persuasion and human information processing at a public colloquium on the University of Nebraska-Lincoln Campus, April 12. He also presented a co-authored paper at the International Communications Association's Annual Conference in Portland, Ore., April 13-17. Others attending the ICA Conference in Portland included **Dr. Robert T. Craig,** assistant professor of speech communication, and **David Illig** and **Marcia Shaw,** graduate students in Speech Communication.

In print

Dr. James O. Whittaker, professor of psychology and social science at Capitol Campus, is the author of two psychology textbooks. "Psychology of Modern Life" is the title of a high school level textbook, and "Introduction to Psychology" is a college level text which is being published in its third edition. In "Psychology of Modern Life," Dr. Whittaker makes an effort to relate the problems under discussion to the life and problems of the American teenager. The book takes an interdisciplinary approach to the subject of psychology, stressing the fact that other disciplines such as history, economics, political science, religion and sociology are as important as psychology in developing a comprehensive understanding of human behavior. "Introduction to Psychology" is being published in its third edition and is already in widespread use around the world. It takes a cross-cultural approach to psychology, thus allowing students in the United States to benefit from a broader perspective on human behavior and making the text more relevant for foreign students.

Dr. Whittaker received his Ph.D. in social psychology at the University of Oklahoma under Muzafer Sherif, now professor emeritus of sociology at Penn State. He has published more than 35 articles in professional journals and also edited the book, "Recent Discoveries in Psychology."

Dr. Gerald M. Phillips, professor of speech communication, and **J. Jerome Zelko,** graduate student in the same department, are co-authors of a new book, "Structuring Speech." The book is a significant innovation in the pedagogy of communication for it activates "field theory" and assists students to arrange and organize their remarks by visual and tactile methods instead of by traditionel outlining. The book is published by Bobbs, Merrill as part of their communication series. It will also be used as a basic book in the I.T.T. vocational training series. In a series of studies done on the method of instruction contained in the book, it was discovered that blacks and whites and males and females tend to learn at the same rate, since there is neither a racial or male bias implied in the method. The illustrations for the book were done by James Visnovsky, a Penn State alumnus in art, and diagrams were done by Julie Epstein, currently an undergraduate student in graphics.

Obituary

Dr. Hummel Fishburn, who retired in 1965 as professor and head of the Departments of Music and Music Education after 40 years of service, died April 1 at the age of 75. A native of Washington, D.C., he enrolled at Penn State in 1919 and after graduation in 1922 was named assistant in music and assistant to the Dean of Men. He received his M.A. in 1928 served as director of music in the Chester, Pa., schools and returned to Penn State in 1933. He directed the Blue Band from 1938 to 1947 and continued designing formations until 1962. He conducted the University Symphony for 20 years, and also the Woman's Chorus and Men's Glee Club and was Chapel organist. Holder of a doctor of music degree from the University of Montreal, he was the author of a textbook on music appreciation. He was a member of the University Senate for 5 years, and served as e marshal at University commencements and other ceremonies as a member of the board of Thesplans and the Athletic Advisory Board. In 1970, he was honored with the Lion's Paw Medal.

Sociologist tries hand at garbage collecting

Most garbagemen are not concerned about the low-status stigma attached to their job, according to a Penn State sociologist who worked as a garbageman in order to study their attitudes.

Dr. Edward J. Walsh, assistant professor of sociology, collected garbage over a three-year period in Ann Arbor, Mich., and also studied garbagemen in Detroit and Minneapolis. His findings are reported in "Dirty Work, Race, and Self-Esteem," published by the Institute of Labor and Industrial Relations of the University of Michigan and Wayne State University.

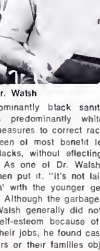
Dr. Walsh, who says he found collecting garbage "very hard work," reports that most garbagemen either ignore or joke about their job's social stigma. He says they concentrate on the positive aspects of the job, such as regular pay and lack of direct supervision.

The sociologist says he found that, although most garbagemen are aware of the low status of their job, it does not necessarily affect their self-esteem. He found this to be true particularly among black garbagemen.

"Puzzling and incredible as the fact may be to some academics," Dr. Walsh writes, "a considerable number of garbagemen were reasonably happy with their work and have no desire to see it 'humanized' (read 'changed')."

On the other hand, Dr. Walsh points out that many did complain about being in a "dead-end job." He estimates that the majority of the garbagemen he studied would favor some improvement in the quality of their working life.

He also notes that in many cities past racial discrimination has produced pre-



Dr. Walsh

dominantly black sanitation departments in predominantly white cities. Recent measures to correct racial imbalance have been of most benefit to young, educated blacks, without effecting older blacks.

As one ol Dr. Walsh's feltow garbagemen put it, "it's not lair to do all the fixin' with the younger generation."

Although the garbagemen studied by Dr. Walsh generally did not suffer from lower self-esteem because of the low status of their jobs, he found cases where the workers or their families objected to published jokes or cartoons made at their expense.

"It has become unacceptable to most women, ethnic groups, racial groups or homosexuals, for example," writes Dr. Walsh, "but the manuel laborer is still fair game for shallow wit."

As e follow-up to his garbage-collecting career, Dr. Walsh spent last summer in California picking vegetables with the migrant farm workers involved in the unionization controversy with the United Farm Caesar Chavez's United Farm Workers.

"I wanted to see what was going on before I got too deep in academia," joked Dr. Walsh, who joined the Penn State faculty last fall.

Although his research on the migrant farm workers is still incomplete, Dr. Walsh says he noted a high degree of pride and a definite hierarchy among the migrant workers.

As an example he points out that lettuce cutters would only cut lettuce, refusing to switch to other vegetables or fruits.

In addition to being a garbageman and farm worker, Dr. Walsh has been a researcher and lecturer at the University of Michigan; an instructor of theology at the College of St. Thomes in St. Paul, Minn.; a reporter for the "National Catholic Reporter"; and a Roman Catholic priest.

He has a B.A. in philosophy and a Th.M. from Maryknoll Seminary and a ticentiate in sacred theology from Gregorian University in Rome. He received his Ph.D. in sociology from the University of Michigan.

University Park Calendar

April 22—May 2

Items to be included in this calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, April 22

Interdisciplinary Colloquium on "The Continuing American Revolution in World Perspective," panel discussion with speakers Murray Sperber, Indiana University; Philip Klass, and Bertrand Davezak, moderator, on "The Arts and Revolutionary Consciousness," 2 p.m., Keller. Banquet, 6 p.m., with Norman Graebner, University of Virginia, on "The American Revolution in World Perspective."

Sports: Women's tennis, vs. Maryland, 1:30 p.m. Men's baseball, vs. Gettysburg, 2:30 p.m.

Commons Videotape, noon, Kern lobby. "Bikini Season is Right around the Corner," (grooming tips).

FSHA 410, A Tribute to American Shaker Cuisine, 5:30 p.m., Maple Room. Reservations required: 865-7441.

Nalads water show, "To Every Thing There Is a Purpose," 8 p.m., Natatorium.

University Readers, selections from Stud Terkel's "Working," 8 p.m., Room 112 Kern.

Michael McCloskey, Executive Director of the Sierra Club, on "America's Environment: the Aftermath of 200 Years," 8:30 p.m., HUB ballroom.

Friday, April 23

Business Services Bldg. open house, 10 a.m.–4 p.m.

"The Continuing American Revolution in World Perspective," with speakers William Gamson, University of Michigan, and William Hinton, U.S.-China Peoples Friendship Assn., and John Wilkse, moderator, on "Politics and Government," 9:30 a.m., Keller. Speakers Stanley Aronowitz, Staten Island Community College, CUNY, Manley Irwin, University of New Hampshire, and Charles Craypo, moderator, on "Economics," 2 p.m., Keller. Performance of Modern American music by Alard Quartet, 8:30 p.m., Keller.

Sports: Men's baseball, vs. Duquesne, 2:30 p.m. Women's EAIAW Regionals, 9 a.m.

Springtime Serenade dinner, 4:45-7 p.m., HUB Terrace Room.

Folk and Square Dance Roundup, 7:30 p.m., White Hall.

University Readers, selections from Studs Terkel's "Working," 8 p.m., Room 112 Kern.

The Theatre of the Open Eye, "Moon Mysteries," 8 p.m., Playhouse Theatre.

Nalads water show, 8 p.m., Natatorium.

Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.

Saturday, April 24

Sports: Women's track, EAIAW Regionals, 9 a.m.

"The Continuing American Revolution in World Perspective," with speakers George Gerbner, University of Pennsylvania, Marilyn Young, University of Michigan, and moderator E-Tu Zen Sun on "Consciousness and Revolutionary Change," 9:30 a.m., Keller.

Fourth Annual Behrend College Colloquium in History on "Interpretations of the American Revolution: Two Centuries of Controversy."

"EMEX '76," College of Earth and Mineral Sciences Exposition and Open House, 1-5 p.m., Mineral Industries, Mineral Sciences, and Deike.

Cycle Saturday, 1 p.m., Parking Lot 80. Sponsored by the Penn State Cycling Club.

The Theatre of the Open Eye, mini-program matinee, Cocteau's "Orphee," 2 p.m.; "Primordial Voices," 8 p.m., Playhouse Theatre.

Phi Psi 500 Race, 2 p.m.

Springtime Serenade dinner, 4:45-7 p.m., HUB Terrace Room.

Nalads water show, 8 p.m., Natatorium.

Artists Series, Netherlands Chamber Orchestra, Szymon Goldberg conducting, 8:30 p.m., University Auditorium.

Sunday, April 25

Combined Protestant service with Black Christian Fellowship, 11 a.m., Music Bldg. recital hall. Rev. Norman O. Conway, First Baptist Church, North Vandergrift, Pa.

Shavers Creek Nature Center, Early Morning Bird Walk, 7 a.m.; Ecology Walk, 3 p.m., Mineral Industries Bldg., Stone Valley.

Sy Barash Country Regatta, 11 a.m.-5 p.m., Stone Valley, Sponsored by Beta Sigma Beta and Kappa Delta for the benefit of the American Cancer Society. Registration through April 23.

"EMEX '76," College of Earth and Mineral Sciences Open House, 1-5 p.m.

Sierra Club Traveling Exhibit, White Bldg. parking lot. Exhibits and Displays, HUB ballroom, until 5 p.m.

Sports: Men's baseball, vs. Rider, 1 p.m. Men's lacrosse, vs. Rutgers, 1 p.m.

Earth Week film, "Multiply . . and Subdue the Earth," 2:30 p.m., HUB assembly room.

Jerry Rubin on "Growing Up," 8 p.m. University Auditorium. Sponsored by Colloquy

Monday, April 26

Kathy Lewis, director of Nutrition Information, on "Questions on Nutrition?" 12 noon, Room 101 Kern.

Gerry Boyer, R.N., American Cancer Society, on "Health Care for Women Today?" and him, "How to Examine Your Breasts," 12:45 p.m., Room 101 Kern.

William Sprigg, organ, 8:30 p.m., Music Bldg. recital hall.

Tuesday, April 27

Sports: Women's softball, vs. Lock Haven, 3 p.m.

Paul West, PSU professor of English, reading from his unfinished work, "Brain Waves of a Stone Age Man," 8 p.m., Room 101 Kern.

"No Deposit-No Return Is No Good," 7:30 p.m., HUB assembly room. Pennsylvania Alliance for Returnables.

Wednesday, April 28

Sports: Men's tennis, vs. West Virginia, 2:30 p.m.

102nd John Henry Frizzell All-University Speech Contest, sponsored by the Penn State Forensic Council. Preliminaries and semi-finals, 7 p.m., Room 121 Sparks.

FSHA 410, A Swedish smorgasbord and dinner, 5:30 p.m., Maple Room. Reservations required 865-7441.

Musica da Camera, 8:30 p.m., Music Bldg. recital hall.

Thursday, April 29

Commons Videotape, noon, Kern lobby.

Faculty Women's Club and Newcomers Club spring luncheon, reception 11:30 a.m., luncheon 12:30 p.m., HUB ballroom. Speaker, Dr. Norman A. Graebner, Distinguished Visiting Professor of History, on "Philadelphia and the American Revolution."

FSHA 410, A Ukranian Easter Feast, 5:30 p.m., Maple Room. Reservations required: 865-7441

Orchesis Dance Company, "Opus 1976," 8:30 p.m., White Hall Dance Theatre.

Pennsylvania Vocal Ensemble, 8:30 p.m., Music Bldg. recital hall.

University Theatre, "Unruly Children: A Pennsylvania Bicentennial Vaudeville," 8 p.m., Pavilion Theatre.

Friday, April 30

University Theatre, "Unruly Children: A Pennsylvania Bicentennial Vaudeville," 8 p.m., Pavilion Theatre.

Orchesis Dance Company, "Opus 1976," 8:30 p.m., White Hall Dance Theatre.

Pennsylvania Vocal Ensemble, 8:30 p.m., Music Bldg. recital hall.

Artists Series, Boston Symphony Chamber Players, 8:30 p.m., Schwab.

Friday and Saturday, April 30-May 1

Conference on The Dimensions of Black Studies for Educational Institutions in Pennsylvania, Keller Bldg.

Saturday, May 1

Penn State Model Railroad Club Equipment Auction, 10 a.m.-6 p.m., Rooms 320, 214 HUB.

Orchesis Dance Company, "Opus 1976," 2:30 and 8:30 p.m., White Hall Dance Theatre.

Sports: Men's track, vs. Michigan, men's golf, Nittany Lion Invitational. Women's lacrosse, vs. Millersville, 1 p.m.

Dinner Theatre, 6:30 p.m., Rooms 102, 112 Kern. "Cole Porter Review."

Saturday, May 1

University Theatre, "Unruly Children: A Pennsylvania Bicentennial Vaudeville," 8 p.m., Pavilion Theatre.

Sunday, May 2

Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Rosemary R. Ruether, historical theology, Howard University.

Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Pastor Gerald G. Loyd, the Jerry Loyd Ensemble.

Sports: Men's baseball, vs. Mansfield, 1 p.m. Men's golf, Nittany Lion Invitational.

Shavers Creek Nature Center, Early Morning Bird Walk 7 a.m., Ecology Walk, 3 p.m., Mineral Industries Bldg., Stone Valley.

Katherine Kelly, piano, 3:30 p.m., Music Bldg. recital hall.

Dinner Theatre, 6:30 p.m., Rooms 102, 112 Kern. "Cole Porter Review."

Seminars

Thursday, April 22

Chemistry, 12:45 p.m., Room 333 Whitmore. Donald E. Smith, Northwestern, on "Online Fourier Transform Data Processing Applications in Electrochemistry."

Air Pollution Control, 2:20 p.m., Room 145 Fenske. Jiri Tichy, architectural engineering, on "Methods of Measurement of Noise Emissions from Machines."

Anthropology, 3:30 p.m., Room 112 Kern. Dr. David Maybury-Lewis, Harvard, on "The Study of Dual Organizations in South America."

Physics, 3:50 p.m., Room 117 Osmond. Martin Klein, on "The Early Career of Willerd Gibbs."

Agronomy, 4 p.m., Room 111 Tyson. J. Harold Grove on "Nitrogen Utilization by Several Irrigated Tropical Forage Grasses Grown on Oolitic Limestone Soil on Andros, Bahamas."

Meteorology, 4 p.m., Room 26 Mineral Sciences. Dr. Robert Ellingson, institute for Fluid Dynamics and Applied Mathematics, University of Maryland, on "Preliminary Results of a Gate Long Wave Radiation Study."

Ceramic Science, 11 a.m., Room 341 Deike. Dr. A. Nowick, Columbia University, on "Dielectric and Anelastic Relaxations Due to Point Defects in Crystals."

Friday, April 23

Geosciences, 4 p.m., Room 22 Deike. Dr. Malcolm Ross, U.S. Geological Survey, on "The Mineralogy and Petrology of Pyroxenes in Igneous and Metamorphic Rocks."

Monday, April 26

New Carnegies, Architecture, 2 p.m., Room 322 Sackett. Dr. Courtney Cleland, sociology, University of Arizona, on "Social Character, Social Services and Community Organization in an Arid City."

Genetics, 3:55 p.m., Room 111 Tyson. Dennis Tavani on "Genetic Screening and Medical Therapy: Effects on the Incidence of Genetic Disease and Future Genetic Load."

Entomology, Biochemistry and Biophysics joint seminar, 4 p.m., Room 101 Althouse. Dr. Lawrence I. Gilbert, biological science, Northwestern University, on "Studies on the Transport, Control and Action of Ecdysone, the Insect Molting Hormone."

Organic Chemistry, 8 p.m., Room 333 Whitmore. Dennis Hoskin on "Chemistry of Annulenes."

Tuesday, April 27

Entomology, Biochemistry and Biophysics joint seminar, 11 a.m., Room 101 Althouse. Dr. Lawrence I. Gilbert, biological science, Northwestern University, on "Studies on the Transport, Binding and Titer Regulation of the Insect Juvenile Hormone."

Analytical Chemistry, 12:45 p.m., Room 445 Davey. Dr. Richard Doty, Monell Chemical Senses Center, University of Pennsylvania, on "Olfactory Studies in Humans".

Solid Waste, Environmental Pollution Control, 2:20 p.m., Room 140 Fenske. John Leporati, ERASCO, N.Y., on "ERASCO Gets Its Power from Organic Solid Wastes."

Engineering Mechanics, 4 p.m., Room 232 Hammond. Mohammed Shabara, instructor, engineering mechanics, on "Fatigue Crack Propagation in a Bi-Axial Stress Field."

Mathematics, 4 p.m., Room 103 McAllister. Lowell Jones, SUNY at Stony Brook, on "Smooth and Piecewise Linear Topology"

History, 3:30 p.m., Room 101 Kern. Dr. George P. Bonis, visiting professor of history, on "The Hungarian Holy Crown as Dualistic and Constitutional Symbol."

Astronomy, 4 p.m., Room 445 Davey. Dr. Joel A Eaton, University of Alabama, on Atmospheric Properties of Binary Stars."

Inter-Science, 4 p.m., Room 333 Whitmore. Phillip Strittmatter, biochemistry, University of Connecticut Health Center, on "Protein-Protein & Protein Lipid Interactions in a Membrane Bound Redox System."

Inorganic Chemistry, 8 p.m., Room 333 Whitmore. Dr. Arthur D. F. Toy, Stauffer Chemical Co

Thursday, April 29

Chemistry, 12:45 p.m., Room 333 Whitmore. David E. Evans, California Institute of Technology, on "Aspects of Natural Product Synthesis."

Gerontology Center, Individual and Family Studies, Psychology and Sociology Departments joint colloquium, 2:20 p.m., Room 101 Kern. Orville G. Brim Jr., president, Foundation for Child Development, on "Great Tales, Myths and Legends of Personality Change: The Tradition of Human Metamorphosis in the Western World."

Air Pollution Control, 2:20 p.m., Room 145 Fenske. Frank P. Partee, Ford Motor Co., Dearborn, Mich., on "Organization of an Environmental Control Function in a Large Corporation."

Anthropology, 3:30 p.m., Room 107 Social Science. Dr. Ralph Nicholas, University of Chicago, on "Smallpox, Malaria and the Disease Goddess in Bengal."

Meteorology, 4 p.m., Room 26 Mineral Sciences. Dr. John Miller, NOAA, Silver Springs, Md., on "Global Monitoring for Climate Change."

Mathematics, 4 p.m., Room 103 McAllister. Harold Stark, MIT, on "Recent Progress in Number Theory."

Agronomy, 4 p.m., Room 111 Tyson. Ho Jin Lee on "Determination of Physiological Maturity in Oats."

Astronomy, 4 p.m., Room 445 Davey. Laura K. Hutton, University of Maryland, on "Very Long Baseline Interferometry of Radio Sources."

Lectures

Thursday, April 22

Dr. Fibret Yegut, Wellesley College, on "Bath and Gymnasium in the Ancient World — Social Institution and Architectural Form," 4 p.m., Room 112 Chambers. Sponsored by Art History and Architecture.

Friday, April 23

German Department Lecture Series, 8:30 a.m., Room 101 Kern. Walter Picard on "Germany in a Changing World."

Sunday, April 25

Dr. Richard Parizek, geology, on "Coal and the Environment: What Cost Must We Bear?" 1 p.m., HUB assembly room.

Dr. Peter Everett, man-environment relations, on "Physical Technology Will Not Solve Environmental Problems: We Must Change Our Behavior," 3:30 p.m., HUB assembly room.

Dr. Maurice Goddard, Secretary of Penna. Dept. of Environmental Resources, on "The Keystone State, Its Environment and You," 8:30 p.m., HUB assembly room.

Monday, April 26

Robert Porter Johnston, Western Michigan University, on "Black Artists in Pennsylvania," 8 p.m., HUB assembly room. Sponsored by Art History and Paul Robeson Cultural Center.

Middle East Studies Committee lecture, 7:30 p.m., Room 101 Kern. Dr. Gordon H. Torrey, School of Advanced International Studies, on "U.S. Intelligence and Diplomacy in the Middle East, 1950-1973."

Wednesday, April 28

Emanuel Shimoni, Israeli consul general, on "The Middle East, the United States and the United Nations," 8 p.m., HUB assembly room. Sponsored by American Professors for Peace in the Middle East.

Dr. Paul Berg, College of Science Alumni Fellow, on "Genetic Engineering: Challenge and Responsibility," 8 p.m., Room 108 Forum.

Thursday, April 29

Dr. Ralph W. Nicholas, anthropology and social sciences, University of Chicago, on "The Indian Political Crisis and American Scholarship," 7:30 p.m., HUB main lounge. Sponsored by the South Asia Committee, the University Committee on International Programs, and the Department of Anthropology.

Dr. George P. Bonis, visiting professor of history, on "The Hungarian Estates in the Hapsburg Monarchy in the 16th Century," 8 p.m., Room 101 Kern.

Arts roundup

Open Eye Theatre

The Theatre of the Open Eye, with its troupe of dancers, actors and musicians under the direction of Jean Erdman, will be in residence from Thursday through Saturday, April 22-24, at the University, conducting classes and presenting three public performances.

Founded by Miss Erdman and author Joseph Campbell, Theatre of the Open Eye is dedicated to the creation of works of total theatre, uniting music, dance and drama with inspiration from the Japanese Noh theatre and the symbolic "Plays for Dancers" of the Irish poet, W.B. Yeats.

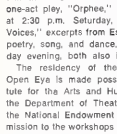
The Erdmen company will hold a master class in technique at 2:30 p.m April 22 in 132 White Hall. A music-for-the-stage workshop, with improvisational work conducted by Teija Ilo and Wendy Erdman, focusing on the ethno-musicology of the more than 75 percussion, string, and wind instruments used by the Open Eye, is planned at 2:30 p.m. April 23 in the Playhouse.

On Friday evening at 8 p.m. in the Playhouse, the company will perform "Moon Mysteries," three short dance dramas by William Butler Yeats. Cocteau's surrealist one-act play, "Orphee," will be presented at 2:30 p.m. Saturday, and "Primordial Voices," excerpts from Eskimo and Haitian poetry, song, and dance, at 8 p.m. Saturday evening, both also in the Playhouse.

The residency of the Theatre of the Open Eye is made possible by the Institute for the Arts and Humanistic Studies, the Department of Theatre and Film, and the National Endowment for the Arts. Admission to the workshops and performances will be free of charge, but tickets are required for "Moon Mysteries," "Orphee," and "Primordial Voices." Tickets are available at the Playhouse box office. Seating is limited, and telephone reservations will not be accepted.

Orchesis offers 8 works

Eight new dances headline the Orchesis Dance concert, "Opus, 1975," which will be presented at 8:30 p.m. on Thursday and Friday, April 29 and 30, and at 2:30 p.m. on Saturday, May 1, in the White Hall Dance



Theatre. Under the artistic direction of Patricia Heigel-Tenner, assistant professor of dance, student company members have employed various aspects of ballet, modern and jazz dance techniques in their choreography. Tickets, which cost $2 for general admission, $1 for students, are on sale at Room 105 White Bldg. and will also be available at the door.

Lecture on black artists

"Black Artists in Pennsylvania" will be the topic of a lecture by Robert Porter Johnston, associate professor of art at Western Michigan University, at 8 p.m. Monday, April 26, in the HUB assembly room. Co-sponsored by the Department of Art History and the Paul Robeson Cultural Center, Mr. Johnston has lectured and published widely on American black artists, including William Ellisworth Artis, sculptor-ceramicist, and Norman Lewis, painter. Mr. Johnston holds the bachelor's and master's degrees from Penn State and a master's degree from the University of Wyoming. A professional sculptor, he has taught at Hastings College and Mankato State College.

Ancient world is topic

Dr. Fibret Yegui, assistant professor of classical art at Wellesley College, will deliver an illustrated lecture on "Bath and Gymnasium in the Ancient World — Social Institution and Architectural Form" at 4 p.m. Thursday, April 22, in 112 Chambers Bldg. Sponsored by the Departments of Art History and Architecture, Dr. Yegui holds degrees from the Middle East Technical University, Ankara; Yale University; University of Pennsylvania; and a Ph.D. from Harvard University in art history, where his specialty was Greek and Roman art and architecture. Since 1963, Dr. Yegui has been a member of the Harverd-Cornell Sardis Archeeological Expedition. His architectural studies were under S. E. Rasmussen, Paul Rudolph, Serge Chermeyeff and Louis I. Kahn.

Boston Chamber Players

The Boston Symphony Chamber Players will appear in concert at 8:30 p.m. Friday, April 30, in Schwab Auditorium as the final performance in the Fine Arts Series presented by the Artists Series.

Since their formetion in 1964, under the management of the Orchestra as a distinct performing ensemble, the Players have given some 200 concerts. The 12 members of the group include the Orchestra's string, woodwind and brass principels and solo timpenist.

Their program features Mozert's Quartet in D for flute and strings K. 285, Ingolf Dahl's Allegro and Arioso for five wind instruments, Beethoven's String Trio in G, op. 9 no. 1, and Stravinsky's "l'Histoire d'un Soldat."

Tickets will go on sale Tuesday, April 27, at the HUB Booth end University Auditorium from 9 e.m. to 4 p.m.

Musica da Camera

Musica da Camera, University chamber orchestra conducted by Dr. D. Douglas Miller, associate professor of music, will perform its final concert of the year at 8:30 p.m. Wednesday, April 28, in the Music Bldg. recital hall. Handel's "Concerto Grosso," opus 6, number 5, with concertists Davis Brooks and Helen Steineker, violins, and Peter Brye, cello, and Stravinsky's "Pulcinella Suite," composed as a ballet after songs by Pergolesi, will be performed in the opening section of the program. Charles Ives' third symphony, "The Camp Meeting," with three movements titled "Old Folks Gatherin'," "Children's Day" and "Communion," will complete the program.

Organ recital

Guest artist William Sprigg, organist, associate professor, and chairperson of the music deparfment at Hood College, will piesent a recital at 8:30 p.m. Monday, April 26, in the Music Bldg. recital hall.

To be performed are Bach's Fantasy and Fugue in G Minor, Vogler's "Jesu, Leiden, Pein, und Tod," and Liszt's "Fantasy and Fugue on B-A-C-H." Also on Monday's program are Concert Variations on "The Star Spangled Banner" by Dudley Buck, one of several 19th century American pieces in the variation form, and Mr. Sprigg's own composition, Sonata II.

Mr. Sprigg is director of music and organist at the Frederick, Md., Evangelical Lutheran Church, one of the East's largest churches. A graduate of Eastman School of Music, he also studied at Boston and Harvard universities and the Peabody Conservatory of Music. As concert organist, he has performed at many colleges and churches in the East.

Wind ensemble

A retrospective program of highlights from the ten-year history of the Penn State Symphonic Wind Ensemble will be performed by the group, conducted by Smith Toulson, assistant professor of music, at 8:30 p.m. Friday, April 23, in the Music Bldg. recital hall.

Six of the most significant pieces performed in Symphonic Wind Ensemble concerts have been chosen for performance by the group, which includes both student and non-music majors. Opening the concert will be "Overture for Band," written by the 15-year-old Felix Mendelssohn and one of the very few wind pieces of the Romantic period. Polish pianist and composer Kazimierz Serocki composed the "Trombone Concerto," which will follow, and Karel Husa's "Prague," written in 1968 in commemoration of the Soviet invasion of the Czech capital, completes the opening half of the program.

Mozart's Serenade in C Minor, for two oboes, clarinets, French horns and bassoons; Hindemith's "Symphony for Band"; and Persichetti's "Masquerade" will be heard after the intermission.

Photographic exhibit

"The Whole World is Watching ..." an exhibit of photographs by Robert Joyce dealing with the social movements of the 1960s, is on display through April 30 in Room 221 Carnegie Bldg. A journelist, illustrator and photographer, Mr. Joyce was art editor of the "National Guardian," a weekly newspaper founded by a left-wing group of the Progressive Party.

The photographs, which depict various demonstrations, marches and protests from the 1960s, were selected, printed and mounted by Edward Leos, associate professor of journalism. The prints are made from negatives which are housed in the Labor Archives of Pattee. They were acquired by Penn State in 1973 after it was learned thet Mr. Joyce was seeking a repository for his photography.

The exhibit is sponsored by the School of Journalism and Sigme Delta Chi.

Cole Porter with chicken

A Dinner-Theatre featuring chicken cordon bleu and ... "Cole Porter Revue" will be offered Saturday and Sunday, May 1 end 2, in Rooms 102 and 112 Kern Bldg. The event is sponsored by the Kern Graduate Commons, the Department of Theatre and Film and Penn State's Hotel and Restaurant Society. The revue will feature selections and biography from Cole Porter's illustrious career, ranging from "Anything Goes" to "Can-Can." Dinner will be served at 6:30 p.m., and the show begins at 8 p.m. A limited number of theatre only tickets are available at $1.75 a person. Tickets for dinner and theatre cost $6. The show is available at the Kern Information Desk, and reservations may be made by calling 865-1878.

Week's films

Monday, April 26

Free Shakespeare film, "Macbeth" (Maurice Evans, Peter Schaefer), 6:30 p.m., Room 101 Chambers.

Wednesday, April 28

Free Shekespeare film, "Macbeth" (Orson Welles), 6:30 p.m., Room 101 Chambers. Eco-Action films, "Dust for a Small Planet," "Lest of the Dolphins," 7:30 p.m., Room 119 Bouske.

WPSX highlights

"The Agony of Independence: A Perspective on Angola and Southern Africa" examines the recent conflict in Africa Saturday, April 24, at 8 p.m. Included in the hour-long documentary are interviews with representetives from the State Department and Congress, journalists and academics.

"Sunset Song," Lewis Grassic Gibbon's novel about the life of a 16-year-old girl, begins a six-part dramatization on Masterpiece Theatre Sunday, April 25, at 9 p.m. Set in Scotland during the early 1900s, the story centers around Chris Guthrie and follows her intellectual and emotional development in a harsh rural village. The character is considered by many critics to be one of the most interesting in modern during in Scottish literature. "Sunset Song" may also be seen Fridays at 9 p.m.

"Why Me?" the acclaimed television special about breast cancer, returns for a repeat broadcast on WPSX-TV Monday, April 26, at 8:30 p.m. Lee Grant hosts the hour-long special, which features several breast cancer patients who describe their experiences before, during and after their mastectomies. It also explores the medical controversy currently surrounding breast cancer treatment and includes a demonstration of breast self-examination. At 9:30 p.m., Penn State Television is presenting "What If?", a local followup to the national broadcast.

"Opera Theatre," a series of five full-length operas, premieres Tuesday, April 27, at 9 p.m. with English language version of "La Traviata" by Verdi. Produced especially for television by the BBC and public television station WNET, the lavish production stars Elisabeth Harwood, John Brecknock and Norman Bailey. It features the Philharmonica Orchestra conducted by Alexander Gibson, and the Ambrosian Opera Chorus.

Staff vacancies

Staff vacancies in this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in the INTERCOM may be found in the Penn State REPORTER. All University employees who are interested in preference may apply by calling the Employment Division, 865-1387 (network Line 475-1387). Applications for these staff vacancies will be received until 5 p.m., April 25, 1975. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

ASSISTANT TO THE RISK MANAGER, CONTROLLER'S OFFICE — University Park

Responsible to the Risk Manager for providing assistance in the overall administration of the University's Workmen's Compensation program and associated programs relating to the function of the Insurance Office. Also act as liaison with the Division of University Safety in providing pertinent information in the areas of on-the-job injuries suffered by employees and take responsibility for insuring that the security of Shields Bldg is appropriately maintained. Bachelor's degree in business administration or equivalent, with one to two years of directly related experience

RESIDENCE AREA COORDINATOR — Behrend Campus

Responsible to the Dean of Student Affairs through the Residence Community Coordinator for assisting in the operation of the residence at the Office of Student Affairs by providing administrative, educational, cultural and personal services for the total residence hall program. Master's degree in college student personnel or related field of study, with up to one year of directly related experience, or bachelor's degree in related undergraduate major with one to two years of residence hall supervisory experience, or equivalent background and training

PROGRAMMER/ANALYST, INTERCOLLEGE RESEARCH PROGRAMS — University Park

Responsible for analysis, design, implementation and maintenance of programs and procedures necessary for the management accounting function of the Computelten Center. Other responsibilities include working with research staff in management information including accounting and other systems data; interface with faculty and staff with regard to problem related to the above areas. Bachelor's degree in business administration or computer science, or equivalent, with course credit or experience in a programming language, such as Fortran or PL/1, and business accounting equivalent to nine semester hours each. Potential for pursuence of master's degree is highly desirable.

APPLICATIONS ANALYST/PROGRAMMER, OFFICE OF BUDGET AND PLANNING — University Park

Under the guidance of the Project Leader or Systems Planning Specialist conducts information requirements analyses for administrative decision-making. Determines detailed requirements and formulates alternatives for solving the information/decision problems. Must be able to prepare computer programs to produce required information to satisfy problem solving objectives. Provide appropriate written and oral presentations of proposed solutions to problems. Assist in direction and control of junior staff members in the accomplishment of project objectives. Test, evaluate, modify and otherwise refine existing systems to meeting internal and external requirements for information. Bachelor's degree with training in computer-based information systems and one to two years of directly related experience in computer programming and systems analysis is required. Master's degree may be substituted for one to two years of directly related experience if it is appropriately related discipline.

ASSISTANT HOSPITAL DIRECTOR — MANAGEMENT SYSTEMS — Hershey

Responsible to Hospital Director for management engineering duties in planning and eversaeing utilization of hospital facilities and personnel. Bachelor of science degree in industrial engineering or equivalent, and four to seven years of directly related experience.

ASSISTANT FOOD SUPERVISOR, HOUSING AND FOOD SERVICE — University Park

Responsible for assisting in the supervision and directing food preparations. Duties include implementing public relations programs which support University goals and objectives. Bachelor's degree or its equivalent in journalism, public relations or marketing and three to four years of directly related experience or a master's degree or its equivalent in similar areas, plus one to three years of directly related experience. Extensive experience in all aspects of college public relations, with at least two years of supervisory experience desirable.

ADMINISTRATIVE ASSISTANT TO THE DEAN STUDENT AFFAIRS — Altoona Campus

Responsible to the Dean of Student Affairs for the coordination of a comprehensive student life service specialized administrative support to the Dean in a variety of areas. Bachelor's degree with major in education, business, human development, liberal arts, music, theatre or art and one year of directly related experience; or high school education and equivalent experience plus two years of college, plus two to four years of directly related experience. (Master's degree preferred.)

RESEARCH AIDE, COLLEGE OF AGRICULTURE — University Park

Responsible to a professor of entomology for conducting microbiological, chemical and histological experiments in pesticide research. Isolate and identify entomopathogens associated with biological means oil culturing and biochemical tests. Conduct chemical analyses and assist in devising new methods when necessary. Prepare plant and animal tissue and perform histological examinations. Prepare experimental plots at University Park and field locations for the study of biological control of insects. Compile and analyze data, using standard statistical methods. Perform other duties as assigned. Bachelor's degree in biological science (with courses in microbiology, chemistry and zoology) or its equivalent, plus up to one year of laboratory experience. Background in statistics and entomology desirable.

Remedial education – three points of view

In response to increasing concern, both at Penn State and nationally, over students with deficiencies in communication and arithmetical skills, the University Faculty Senate has undertaken to study the role of the University in remedial education. The following statements represent points of views of three senators on this issue. INTERCOM will be happy to consider for publication statements on this topic from other members of the University community.

Benjamin W. Niebel, professor and head of the Department of Industrial and Management Systems Engineering.

I'm not sure that the average student that applies to Penn State today is really much different than he or she was ten years ago, and I would like to see and challenge the statistics that indicate otherwise.

But let's assume that there are some basic skill deficiencies in our entering students. I do not think it is our business here at University Park to be concerned with such problems. Nor do I think that we should view ourselves as a corrective agency. If corrective work is needed, it should be done elsewhere and I would suggest three locations.

My first choice would be the high schools. If we are admitting students from the top two-fifths of the high school classes and they are unable to do first level work at Penn State, then we should make the Pennsylvania Department of Education aware of this so that in time they may bring pressure to bear on the public schools to get them to improve their instruction.

In the meantime, high schools might offer summer post-graduate remedial courses for their college-bound graduates. This would certainly be the least costly way of handling remedial education.

If this didn't work, then the community colleges might be called into service. These institutions have three advantages for this job as I see it. First, they are located throughout the state and give students a chance to save money by living at home. Secondly, their instructors are often former high school teachers who understand better than their University Park counterparts teaching at lower levels. Moreover, as faculty salaries are generally lower in community colleges, instruction can be had at a lower per-unit cost. Finally, community college instructors are accustomed to handling larger classes than are many of our faculty, and this, too, helps keep costs down.

My third and least personally acceptable choice for locating remedial programs would be our Commonwealth Campuses. We already have faculty involved in remedial work there, and I understand they're doing a good job. But it is not the job they are hired to do or should be doing unless this work can't be done elsewhere.

It has been made very clear that, given our current economic picture, no new programs will be added at Penn State unless corresponding cuts are made in existing programs. If we are now to engage in remedial education, we will have to pay for it by cutting ongoing programs. I really wonder what department is going to volunteer to have its graduate program reduced or its baccalaureate program modified in order to do remedial work.

Patricia M. Overdeer, associate professor of mathematics, Ogontz.

We all know that soon our regular admission students are going to fall off at the University because the high school population is falling off. We know, too, that we're now being urged to take in more minority students, blacks and others, who often come to us with problems engendered by inner city schools, where the level of achievement is not what it should be.

And we are getting increasing numbers of nontraditional students at Penn State — degree seeking adjuncts who bring much maturity and experience into the classroom but frequently lack appropriate academic backgrounds.

My feeling is that if we are going to admit these students, then we must be prepared to give them the opportunity for proper academic support, which means, in many cases, remedial work. Moreover, I think that the alternative to this is to lower the University's standards.

Right now, we have students coming into our freshmen classes lacking adequate background skills. As a result, the instructors in these classes are using much of their time providing remedial work rather than teaching new material. The students then go on to upper level courses where they and their instructors again face similar deficiencies, which are passed on to the next course. It's a constant struggle for everyone — the students who need initial remedial work, the instructors who must teach them under these circumstances, and the students who enter the courses prepared and end up finding the whole experience rather boring.

(Continued on page two)

Opinions solicited

Recently the University Faculty Senate was asked to endorse a proposal to provide remedial education courses to the increasing number of students who fail entrance proficiency examinations in basic mathematics and English. After a wide-ranging debate, during which concerns were raised about the effectiveness, cost, impact and appropriateness of such an effort, a Joint Presidential-Senate Commission to Study Remedial Education was suggested. The Commission is now at work and is arranging to obtain the counsel of representatives of all segments of the University. But such a search is inevitably imperfect; accordingly, the Commission solicits the opinions and advice of any interested members of the Penn State family on any aspect of this question. Written presentations can be made to Dr. John J. Cahir, Room 511 Oeike Bldg., University Park, or to the University Faculty Senate Office, Birch Cottage, University Park.

PENN STATE
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Artist Series to sell tickets

Season subscriptions to the four series to be presented during the coming academic year by the Artists Series will go on sale beginning Tuesday, May 4, from 9 a.m. to 4 p.m. in Room 203 Schwab Auditorium.

Because so many of last season's programs were sold out, the Artists Series suggests that purchasing a season subscription now may prevent future disappointments. Although tickets will remain on sale throughout the summer, the best selection of seats will of course be available to those who purchase their tickets promptly.

The series and their programs are:

The **Fine Arts Series** — Gary Karr, double bass, Oct. 1; Philadelphia Composers' Forum, Jan. 21; Rampal and Veyron LaCroix, flute and harpsichord, Feb. 10; Guerneri String Quartet, March 26; Gregg Smith Singers, April 1; and Pittsburgh Chamber Orchestra, April 14.

The **Music Series** — Leonard Raver, organ, with percussion ensemble and electronic music, Sept. 17; Victor Herbert's "Naughty Marietta" with Cyril Richard, Oct. 10; Rudolf Serkin, pianist, Jan. 16; Leningrad Symphony, Feb. 5; Stuttgart Chamber Orchestra, March 19; Pittsburgh Symphony Orchestra with Barry Tuckwell, French horn, April 15.

The **Theatre-Dance Series** — "Equus" by Peter Shaffer, Sept. 26; Stars of the American Ballet with Violette Verdy, Peter Martins and Company, Oct. 17; Pilobolus Dance Theatre, Oct. 29; The Acting Company, "The Robber Bridegroom," a musical with John Houseman as artistic director, Nov. 5; The Young Vic Company with "Oedipus Rex," Dec. 3; and The Royal Winnipeg Ballet, Feb. 4.

The **Film Series** — Tuesday series, Hitch-

(Continued on page four)

Senate nominations announced

Nominations for officers of the University Faculty Senate for 1976-77 will be made by the Nominating Committee at the Senate's May 4 meeting.

Two Senate officers will be elected. John J. Coyle is serving as chairman-elect and will become chairman.

Nominated for chairman-elect are Thomas E. Daubert, Philip A. Klein and Winston A. Richards. Nominated for secretary are Isabel F. Knight, Thomas J. Knight, Stuart H. Mann, Miles T. Pigott and Lee W. Saperstein.

One faculty member is to be elected to a three-year term on the Faculty Advisory Committee. Nominated are Paul Axt, Roy C. Buck, M. Ronald Glaser, Benjamin W. Niebel, Guy E. Rindone, Albert N. Skomra, Hugh B. Urban and Lloyd W. Woodruff.

Two faculty members from University Park are to be elected to the Faculty Rights and Responsibilities Committee. Nominees are Donald M. Crider, Alfred J. Engel, Robert W. Frank, Joe A. Miller, and Theodore R. Vallance. Nominees for the one alternate faculty member to be elected are Frank Oachlite and John Lucas.

One dean is to be elected to the committee, with James M. Beattie and George O. Wolf as nominees. Nominated for the alternate dean member are Henry J. Hermanowicz and Harry Prystowsky. Nominees for the alternate faculty member from the Commonwealth Campuses are Lawrence B. Golden, Cara-Lynne Schengrund and Nancy M. Tischler.

Two members and two alternates are to be elected to the Standing Joint Committee on Tenure. Nominees are John Ayers, Ernest L. Bergman, Roy C. Buck, Alfred J. Engel, Evelyn Hovanec, Thomas J. Knight, William Rabinowitz and Betty Roy.

Also to be elected are three members, at least one of whom must be from University Park, to the University Promotion and Tenure Review Committee. Nominated are Robert O. Arbuckle, Arthur D. Brickman, Landon C. Burns, Jack F. Chapin, Oale Harris, Arthur J. Marsicano, P. Peter Rebane and Gerd Rosenblatt.

Additional nominations may be received from the Senate floor. Balloting is to be done by mail and the new officers and committee members announced at the June 1 meeting.

In other business, the Senate will reconsider recommendations on double majors from its Committee on Undergraduate Instruction. The committee recommends that the proposed policy be limited to the same baccalaureate degree with all requirements for each degree program being met.

It proposes changes in student rules to provide for baccalaureate degree candidates to undertake a program leading to more than one major under these conditions:

—Candidates must have as a cumulative grade point average at least the minimum grade point average as required by the added major for change to that major.

—Application for a multiple major program must be made prior to the term in which the candidate expects to graduate. Individual colleges and programs may require earlier application if necessary to meet their requirements.

—Any application must be submitted for approval to the program heads and dean(s) involved. If approved, an adviser will be assigned for each additional major.

—All requirements for each degree program in effect at the time of admission to each degree program must be met for satisfactory completion of the multiple major program.

In addition, the committee recommends

(Continued on page four)

Faculty Club drive begins

The Penn State Faculty Club has embarked on a membership drive in anticipation of the opening of its building in September.

Eligible for membership are all resident and nonresident faculty — including nondegree-seeking research assistants — staff exempt professionals, librarians, executives and administrators, and members of the University's Board of Trustees.

The Club's building, located just north of the Nittany Lion Inn, will have a complete kitchen, operated by its own chef. There will be dining facilities for 100 persons in the main hall, and private dining room space for about 50 more persons. A lounge area will seat 60, and there are two attractive smaller sitting areas.

The Club plans to offer seasonal and special programs such as football luncheons, dances, bridge tournaments, before-the-theatre dinners, teas and cocktail parties. Programs will be tailored to the desires of the membership.

Excluding special events, the club will be open from 11 a.m. to 9 p.m., Monday through Saturday, and from 11 a.m. to 2:30 p.m. on Sunday. Meals will be served from 11:30 a.m. to 2:30 p.m. and from 5:30 p.m. to 8 p.m. daily, and a Sunday brunch from 11:30 a.m. to 2:30 p.m.

A dues and fees schedule has been determined. Yearly dues, which may be paid in installments, will be $30 for resident University Park faculty and staff and $10 for nonresidents. There is a $25 joining fee for residents, $15 for nonresidents. An initial $25 deposit, which is refundable, is requested for residents, with a further $25 due Sept. 1. Nonresidents will pay $10. The joining fee will increase $10 after Aug. 31.

PENN STATE COLLECTION

Faculty notes



Dean Decker

A 25-year service award has been presented to **William S. Decker,** assistant dean for students and associate professor of marketing in the College of Business Administration.

A native of Evansville, Ind., Dean Decker received a B.S. in commerce and an M.A. in marketing from the University of Iowa and attended the Graduate School of Business at Columbia University. Prior to coming to Penn State, he was an instructor in marketing at the University of Connecticut and Columbia.

At Penn State he has been involved in curriculum revision for the associate degree program in Business Administration and recently served on the Task Force on Retention and Transfer of Students. Other committee memberships include the University Committee on Resident Education Procedures, the Associate/Assistant Deans for Commonwealth Campuses and the Administrative Council of Undergraduate Instruction.

Dean Decker is a member of the American Marketing Association, the American Academy of Advertising, Beta Gamma Sigma, Pi Gamma Mu (social science honorary), Alpha Kappa Psi and Alpha Delta Sigma (advertising). During World War II, he was a captain in the U.S. Air Force, and he retired as a lieutenant colonel from the U.S. Air Force Reserve.

Eight faculty members in the College of Science are authors of research papers to be presented at the 76th annual meeting of the American Society for Microbiology in Atlantic City, N.J., May-2-7. **Dr. Lester E. Casida Jr.,** professor of microbiology; **Dr. Jean E. Brenchley,** associate professor of microbiology; and **Dr. Paul E. Kolenbrander,** assistant professor of microbiology, will each contribute two papers. Dr. Brenchley and Dr. Kolenbrender will each also preside at one of the meeting's sessions. In addition, Dr. Casida has been invited to present a paper at a special seminar on the application of electron microscopy to the study of microbial ecology. **Dr. Walter S. Ceglowski,** associate professor of microbiology, will present a paper and also act as convener of the seminar on immunofluorescence in chemical microbiology and immunology. Other faculty members planning to contribute papers are **Dr. Allen T. Phillips,** professor of biochemistry; **Dr. Terence M. Joys,** associate professor of microbiology; **Dr. Christine F. Pootjes,** associate professor of microbiology; and **Dr. John J. Docherty,** assistant professor of microbiology.

Dr. Vernon H. Neubert, professor of engineering mechanics, has authored a chapter in "Shock and Vibration Computer Programs," a book recently published by the Shock and Vibration Information Center, Washington, D.C. His chapter, "Inertia Matrices," deals with techniques for representing the mass or inertia of vibrating structures in some of the major computer programs in use in the United States and Europe.

Lee Arnall Malid, M.D., has been named assistant professor of anesthesiology at Hershey. Dr. Malid received his B.S. at Penn State and an M.D. from Jefferson. He has been a clinical associate in anesthesiology at the National Institutes of Health.

Seven Penn Staters made it through the grueling heat and 26.2 mile course of this year's Boston Marathon. Leading the University pack last week with a time of approximately 2 hours, 51 minutes, was **Arthur Costantino,** a graduate student in sociology and North Halls coordinator. (Runners have not yet received their official times, so figures in seconds are not available.) **Torrence D. Parsons,** associate professor of mathematics, was 3:08, and **Daniel R. Toy,** graduate student in marketing, ran the course in 3,11. **Elwin Davis,** a visiting professor of mathematics, had a time of 3:28, and **Beinard R. Greene,** ed psych graduate student, was 3:25. **Michael Lilburn,** graduate student in animal nutrition, was 3:31. Competing in the over-40 age group were **Miles T. Pigott,** assistant director of the Applied Research Lab and professor of engineering research, who finished in about 4 hours, and **Dr. Herschel W. Liebowitz,** professor of psychology, who made it in 4:04. The 90 degree heat (in the shade) slowed everyone's time. The winner made it in 2:20:19.

Dr. Vilma R. Hunt, associate professor of environmental health, has been awarded a W. K. Kellogg Foundation Fellowship by the Hospital Research and Educational Trust, an affiliate of the American Hospital Association. Dr. Hunt will investigate the use of hospital records to monitor morbidity and mortality of certain diseases.

Dr. Melvin H. Woll, professor of humanities and English at Capitol Campus, is the compiler of the recently published catalog and set of indexes to a 300-year-old collection of materials relating to early printing. The collection, now held by the British Museum and Library, was first gathered by John Bagford in the late 1600s but has never been cataloged. It includes several thousand title-pages and fragments of English printed books published in the 15th through 17th centuries, and preserves a leaf from a copy of the Gutenberg Bible. This is the first catalog of the holdings of the British Library's collection of printed books to be produced with the help of a computer. Prof. Woll's research interests lie in the area of computer applications to the study of literature and the humanities.

Dr. Mary T. Strauss, assistant professor of English at the Beaver Campus, will participate in a conference on "The American Woman" at the Third Annual Spring Conference, City University of New York, May 1. She will present a paper titled, "A Study of the Women in Faulkner's 'Light in August.'"

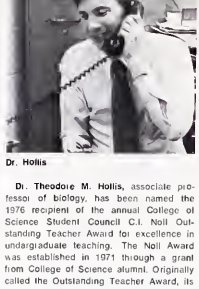
Dr. Walter H. Walters, dean of the College of Arts and Architecture, will serve as chairman of the newly established Commission on the Fine Arts in the National Association of State Universities and Land-Grant Colleges.

The commission will focus the efforts of the association, with its 150 member institutions, on recognizing the activities of fine arts deans and will provide a mechanism within NASULGC for liaison between deans of arts and sciences with those of fine arts.

Dr. Gordon C. Godbey, associate dean for Commonwealth Campuses and Continuing Education, College of Education, has been approved as an Associate of the International Council for Adult Education. The council is active in developing leadership and programs in adult education, and it places special emphasis on applying continuing education to the problems of developing nations.

Dr. James R. Jenness Jr. has been named a research associate at the Applied Research Laboratory. He has been serving as a senior scientist with Marinco, Ltd., State College. Earlier he was a physicist with HRB-Singer, Inc., State College; U.S. Naval Air Development Center, Johnsville; and NASA, Langley Field, Va. Dr. Jenness is a graduate of Parsons College with a B.S. in physics. His M.A. in physics was conferred by Temple University and his Ph.D. in solid state science by Penn State in 1972.

Dorothy V. Harris, professor of physical education, recently participated in a symposium devoted to "Coping With Managerial Stress," conducted by the Institute for Public Service, University of Connecticut. Her paper was titled, "Coping with Stress by Being Physically Fit."



Dr. Hollis

Dr. Theodore M. Hollis, associate professor of biology, has been named the 1976 recipient of the annual College of Science Student Council C.I. Noll Outstanding Teacher Award to excellence in undergraduate teaching. The Noll Award was established in 1971 through a grant from College of Science alumni. Originally called the Outstanding Teacher Award, its name was changed in 1974 to honor Dr. C. I. Noll, first dean of the College of Science.

Dr. Hollis was chosen as this year's winner by a selection committee from over 500 nominations submitted by College of Science students. In their nominations, students most often cited Dr. Hollis's well organized lectures and willingness to give extra help to students as his most outstanding characteristics.

A specialist in the study of artery physiology, Dr. Hollis joined the biology department faculty as an assistant professor in 1960. He was promoted to associate professor in 1975. An active researcher, Dr. Hollis pioneered investigations into the role of histamine production in atherosclerosis, the disease in which cholesterol accumulates and forms deposits within the arteries obstructing the free flow of blood.

The Austrian PEN-Club has elected **Dr. Rio Preisner,** professor of German, to membership. An internationally known group of writers' organizations, the first PEN club (Poets, Playwrights, Editors, Essayists, Novelists) was founded in 1921 to combat racial hatred and political oppression. Though its national chapters, it strives to advance freedom of speech and open discussion of ideas in all countries. Dr. Preisner has an international reputation both for his work as a literary critic and his writing on political philosophies. His published works include a monograph on the Austrian dramatist J. N. Nestroy, a two-volume "Critique of Totalitarianism," and studies of Rilke, Kafka and Bloch.

John M. Shemick, associate professor of industrial arts education, presented a paper, "A Tentative Taxonomy of Psychomotor Skilled Tasks," April 20 at the 5th International Conference of the American Industrial Arts Association in Des Moines, Ia.

Dr. Osamu Nishikawa, associate professor of physics, will present a paper titled, "Field Emission and Field Ion Microscopy of Gallium and Tin on Tungsten," at the International Symposium on Application of FIM to Metallurgy in Lake Yamanaka, Japan, May 6-8. His co-author is **A. Reza Saadat,** a doctoral candidate in physics. He also presented the paper at the Surface Physics Seminar at Bell Telephone Laboratories, Murray Hill, N.J., April 16, and will deliver it before the Physical Science Colloquium at the T. J. Watson IBM Research Center, Yorktown Heights, N.Y., May 13.

Dr. Yupo Chan, assistant professor of civil engineering, has been elected treasurer of the Transportation Science section of the Operations Research Society of America.

Dr. Drew Hyman, assistant professor of community development, and **Dr. Richard Wunderlich,** research associate, will present a paper, "Using Citizen's Complaints as Social and Organizational Indicators," at the 1976 annual meeting of the American Sociological Association. The paper is based on their research on The Pennsylvania Governor's Action Center. Dr. Hyman, along with three other members of the Division of Community Development —

Abram Snyder, Larry Gamm and **Robert Sebring** — also participated in a symposium at the University of Missouri on "The Condition of Community in the United States — the Degeneration and Regeneration of a Society." The symposium addressed ways in which local-level energies can be mobilized toward addressing pressing social problems.

Dr. Dianne B. Seale, research associate in the Department of Biology, presented an invited lecture to the Section of Ecology and Systematics at Cornell University, April 8. She discussed "The Impact of Amphibian Larval Populations on ang ing social problems.

Remedial ed

(Continued from page one)

I don't want to see us lowering our standards for graduation from Penn State. I don't think it's improper or unrealistic to expect students to pass basic proficiency tests in mathematics and English before graduating.

Nor do I think that we have suddenly produced a generation of students who are academic dullards, incapable of learning. I do think that the University is now confronting new kinds of students and that we are seeing the results of the failure in recent years of high schools to stress basic skills.

Unless we accept the responsibility to providing remedial education in these skills, we are going to be forced into either lowering Penn State's standards or else turning our backs on many potentially able students.

Dr. Arthur O. Lewis, associate dean, Liberal Arts, and professor of English.

I believe we have a mission to serve society in this institution but am not sure what the level of service is anymore, and I don't see why this agency of the state should be expected to do something that another agency of the state — the public schools — ought to be doing. However, if no one else in the educational system is going to do it, then the University has got to help maintain those standards of communication and mathematical skill essential to the continuing of civilization in some form resembling the present.

If the students are already here, we must give them all the remedial help that they need to reach a level that we regard as appropriate to a college graduate. If we ever got to the point where we had to teach our students to tie their shoes and butter their shits, it would probably be our responsibility as a land-grant university. But we ought to ask why society sees it as our responsibility.

We are actually bootlegging remedial education now. I learned the other day that 38 sections of English 11 (remedial) were taught on the Commonwealth Campuses this year, and there have been seven sections on this campus as well. If we offered remedial English to everyone who ought to have it, according to our placement tests, we would need 145 sections through out the University next year for baccalaureate students alone.

I assume that we'll wind up with remedial courses not just in English, but in other areas as well. That means money, and we know our money pie isn't going to get any bigger in the future, so we'll have to slice it in a different way.

I know that the Faculty Senate isn't responsible for finances. But I think that we in the Senate need to remember that something else we also want may have to be eliminated from the University's offerings. I know, for example, a particular program here that is now costing almost exactly the same amount as it would to teach the remedial English courses needed on this campus.

I don't say we are going to eliminate that particular program in order to teach remedial English. But I am worried about how much the faculty will be involved in making the decision. I am not totally convinced that somebody sitting in a budget office is able to make the appropriate academic decision in a case like this. So I think before we go very far in commitment ourselves to remedial education, we have really got to figure out where the money for it would come from.

University Park Calendar

April 29—May 9

Items to be included in this calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday at the week preceding publication.

Special Events

Thursday, April 29

Gentle Thursday, 10-10, HUB lawn.

Dr. Robert M. Smith, assistant to the Provost, on "Some Observations on Academic and Administrative Program Review," 12:30 p.m., lunch 12 noon, HUB dining room A & B. Sponsored by the PSU branch American Society for Engineering Education.

Faculty Women's Club and Newcomers Club spring luncheon, reception 11:30 a.m., luncheon 12:30 p.m., HUB ballroom. Speaker, Dr. Norman A. Graebner, Distinguished Visiting Professor of History, on "Philadelphia and the American Revolution."

Commons Videotape, noon, Kern lobby.

PSHA 410, A Ukranian Easter Feast, 5:30 p.m., Maple Room. Reservations required: 865-7441.

University Theatre, "Unruly Children: A Pennsylvania Bicentennial Vaudeville," 8 p.m., Pavilion Theatre.

Pennsylvania Vocal Ensemble, 8:30 p.m., Music Bldg. recital hall.

Orchesis Dance Company, "Opus 1976," 8:30 p.m., White Hall Dance Theatre.

Friday, April 30

Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

University Theatre, "Unruly Children: A Pennsylvania Bicentennial Vaudeville," 8 p.m., Pavilion Theatre.

Orchesis Dance Company, "Opus 1976," 8:30 p.m., White Hall Dance Theatre.

Pennsylvania Vocal Ensemble, 8:30 p.m., Music Bldg. recital hall.

Artists Series, Boston Symphony Chamber Players, 8:30 p.m., Schwab.

Friday-Saturday, April 30-May 1

Conference on The Dimensions of Black Studies for Educational Institutions in Pennsylvania, Ketler Bldg.

Saturday, May 1

Breazeate Nuclear Reactor Facility Open House, 10 a.m. to 3 p.m. Transportation available every half hour from the parking lot behind the Mechanical Engineering Bldg.

Penn State Model Railroad Club Equipment Auction, 10 a.m.-6 p.m., Rooms 320, 214 HUB.

Antique aircraft fly-in, 10 a.m.-4 p.m., University Airport. Sponsored by Aerospace Engineering department.

Orchesis Dance Company, "Opus 1976," 2:30 and 8:30 p.m., White Hall Dance Theatre.

Sports: Men's track, vs. Michigan, men's golf, Nittany Lion Invitational. Women's lacrosse, vs. Millersville, 1 p.m.

Dinner Theatre, 6:30 p.m., Rooms 102, 112 Kern. "Cole Porter Review."

University Theatre, "Unruly Children: A Pennsylvania Bicentennial Vaudeville," 8 p.m., Pavilion Theatre.

Sunday, May 2

Chapel Service, 11 a.m., Elsenhower Chapel. Dr. Rosemary R. Ruether, historical theology, Howard University.

Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Pastor Gerald G. Loyd, the Jerry Loyd Ensemble.

Sports: Men's baseball, vs. Mansfield, 1 p.m. Men's golf, Nittany Lion Invitational.

Shavers Creek Nature Center, Early Morning Bird Walk, 7 a.m.; Ecology Walk, 3 p.m., Mineral Industries Bldg., Stone Valley

Katherine Kello, piano, 3:30 p.m., Music Bldg. recital hall.

Dinner Theatre, 6:30 p.m., Rooms 102, 112 Kern. "Cole Porter Review."

Monday, May 3

Haircut and Styling, demonstration, 12 noon, Room 101 Kern.

Ann Robinson, French horn, 8:30 p.m., Music Bldg. recital hall.

Tuesday, May 4

Symposium on "Think Small for 2076," 9:20 a.m. throughout day, Room 301 HUB. Sponsored by the Science, Technology and Society Program.

Gallery Talk, William Hull and William Devis on "Framing Original Art Works," 10:30 a.m., Museum of Art.

University Theatre, "Unruly Children: A Pennsylvania Bicentennial Vaudeville," 8 p.m., Pavilion Theatre.

Wednesday, May 5

"Travel Fair," exhibits, workshops, resources for summer travel, 9 a.m.-5 p.m., Kern.

Sports. Men's tennis, vs. Lehigh, 3 p.m. 102nd John Henry Frizzell All-University Speech Contest, finals, 7 p.m., Room 121 Sparks

Penn State Thespians, "South Pacific," 8:30 p.m., Schwab.

University Theatre, "Unruly Children: A Pennsylvania Bicentennial Vaudeville," 8 p.m., Pavilion Theatre.

Israeli Independence Day Celebration, 7 p.m., Hillel Foundation. Ruthi Navon, Israeli singer, and David Kriyoshi, Israeli pianist. Refreshments and folk dancing.

Penn State Brass Chorale, 8:30 p.m., Music Bldg. recital hall.

Thursday, May 6

"Travel Fair," 9 a.m.-5 p.m., Kern.

Commons Videotape, noon, Kern lobby.

Sports: Women's tennis, vs. Princeton, 2 p.m. Women's lacrosse, vs. East Stroudsburg, 3 p.m.

University Theatre, "Unruly Children: A Pennsylvania Bicentennial Vaudeville," 8 p.m., Pavilion Theatre.

Penn State Thespians, "South Pacific," 8:30 p.m., Schwab.

Friday, May 7

"Travel Fair," 9 a.m.-5 p.m., Kern.

Sports: Men's lacrosse, vs. Pennsylvania, 8 p.m.

University Theatre, "Unruly Children: A Pennsylvania Bicentennial Vaudeville," 8 p.m., Pavilion Theatre.

Penn State Thespians, "South Pacific," 8:30 p.m., Schwab.

Claremont Woodwind Quintet, 8:30 p.m., Music Bldg. recital hall.

Saturday, May 8

College of Agriculture Open House, celebratng the development of agricultural technology during the past 200 years, 8:30 a.m.-2 p.m., headquarters, lobby of Ag. Adm. Bldg.

Sports: Women's tennis, vs. Ohio State, 9:30 a.m. Golf, Lady Lion Spring Invitational. Women's lacrosse, vs. Cortland, 1 p.m.

University Theatre, "Unruly Children: A Pennsylvania Bicentennial Vaudeville," 8 p.m., Pavilion Theatre.

Penn State Singers' Music of American Composers, 8:30 p.m., Music Bldg. recital hall.

Howard Cosell, 8 p.m., Recreation Bldg Sponsored by Colloquy.

Penn State Thespians, "South Pacific," 8:30 p.m., Schwab.

Sunday, May 9

Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Charles L. Coleman, program director, religious affairs.

Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. "Today Is Women's Day." Mrs. Carrie Lucious, Pittsburgh, special women's day choir.

Shavers Creek Nature Center, Early Morning Bird Walk, 7 a.m.; Spring Wildflower and Ecology Walk, 3 p.m., Mineral Industries Bldg., Stone Valley

Penn State Glee Club Mother's Day Concert, 3 p.m., Schwab.

Seminars

Thursday, April 29

Chemistry, 12:45 p.m., Room 333 Whitmore. David E. Evans, California Institute of Technology, on "Aspects of Natural Product Synthesis".

Gerontology Center, Individual and Family Studies, Psychology and Sociology Departments joint colloquium, 2:20 p.m., Room 101 Kern. Orville G. Brim Jr., president, Foundation for Child Development, on "Great Tales, Myths and Legends of Personality Change: The Tradition of Human Metamorphosis in the Western World."

Air Pollution Control, 2:20 p.m., Room 145 Fenske. Frank P. Partee, Ford Motor Co., Dearborn, Mich., on "Organization of an Environmental Control Function in a Large Corporation."

Entomology, 3:30 p.m., Room 107 Social Science. Dr. Ralph Nicholas, University of Chicago, on "Smallpox, Malaria and the Disease Goddess in Bengal."

Meteorology, 4 p.m., Room 26 Mineral Sciences. Dr. John Miller, NDAA, Silver Springs, Md., on "Global Monitoring for Climate Change."

Mathematics, 4 p.m., Room 103 McAllister. Harold Stark, MIT, on "Recent Progress in Number Theory"

Agronomy, 4 p.m., Room 111 Tyson. Ho Jin Lee on "Determination of Physiological Maturity in Oats."

Astronomy, 4 p.m., Room 445 Davey. Laura K. Hutton, University of Maryland, on "Very Long Baseline Interferometry of Radio Sources."

Ceramic Science, 11 a.m., Room 301 Materials Bldg. Dr. L. Austin on "Theory of Grinding Operations."

Monday, May 3

Organic Chemistry, 8 p.m., Room 333 Whitmore. Robert Lazarus on "The Secondary Isotope Effect: Mechanistic Applications."

Tuesday, May 4

Analytical Chemistry, 12:45 p.m., Room 445 Davey. Steven Prescott on "Chemical Ionization Mass Spectrometry of Betadiketonates."

Solid Waste, 2:20 p.m., Room 140 Fenske. L. J. Minnick, L. U. Conversion Systems Corp., Philadelphia, on "Fly Ash Utilization."

Astronomy and Physics joint colloquium, 3:50 p.m., Room 119 Osmond. William K. Rose, astronomy, University of Maryland, on "Theory of Pulsers and Compact X-Ray Sources."

Civil Engineering and Engineering Mechanics, 4 p.m., Room 232 Hammond. Dr. W. F. Chen, Lehigh University, on "Constitutive Relations for Concrete."

Inorganic Chemistry, 8 p.m., Room 333 Whitmore. Dr. F. Urbach, Case Western Reserve University.

Entomology, 4 p.m., Room 204 Patterson. Arthur A. Hower, PSU associate professor of entomology, on "Insect Pest and Parasite Management in Alfalfa"

Thursday, May 6

Chemistry, 12:45 p.m., Room 333 Whitmore. Gerl Mutterties, Cornell University, on "New Organometallic Chemistry."

Air Pollution Control, 2:20 p.m., Room 145 Fenske. Robert A. D'Dell, graduate student, on "Mechanisms and the Rate of Sulfur Dioxide Uptake by Vegetation."

Physics, 3:50 p.m., Room 119 Osmond. Dr. Thomas Appelquist, Yale University, on "Recent Developments in Weak and Electromagnetic Interactions."

Anthropology and Population Issues Research Office, 3:30 p.m., Room 107 Social Science. Dr. Alice B. Kasakoff, anthropology, University of South Carolina, on "Spatial Location and Social Organization: An Analysis of Tikopian Patterns."

Agronomy, 4 p.m., Room 111 Tyson. S. Setty on "Inheritance of Leaf Area In Corn."

Astronomy, 4 p.m., Room 445 Davey. Dr. Mark Reid, Harvard College Observatory, on "Stellar Masers."

Mathematics, 4 p.m., Room 103 McAllister. Joseph Schonfeld, Duke University, on "Some Results in Logic."

Meteorology, 4 p.m., Room 26 Mineral Sciences. Morris A. Bender on "Temperature Gradients and Clear Air Turbulance Probabilities."

Lectures

Thursday, April 29

Dr. Ralph W. Nicholas, anthropology and social sciences, University of Chicago, on "The Indian Political Crisis end American Scholarship," 7:30 p.m., HUB main lounge. Sponsored by the South Asia Committee, the University Committee on International Programs, and the Department of Anthropology.

Dr. George P. Bonis, visiting professor of history, on "The Hungarian Estates in the Hapsburg Monarchy in the 18th Century," 8 p.m., Room 101 Kern.

Monday-Thursday, May 3-6

Frank C. Whitmore Lectures, Barry M. Trost, professor of chemistry, University of Wisconsin, Room 333 Whitmore. "New Approaches to the Design of Molecular Architecture I. The Framework," May 3, 8 p.m. "Molecular Architecture II. The Tools," May 4, 12.45 p.m. "Molecular Architecture III. The Finishings," May 5, 12.45 p.m. "Molecular Architecture IV. The Blueprint," May 6, 4 p.m.

Tuesday, May 4

Ernest C. Pollard Lecture, 4 p.m., Room 101 Althouse. Peter B. Moore, molecular biophysics and biochemistry, Yale University, on "Mapping the Locations of Proteins In the Ribosome by Thermal Neutron Scattering."

Wednesday, May 5

Doterer Lecture, 8 p.m., HUB assembly room. Dr. Hans-Georg Gadamer, University of Heidelberg emeritus, on "Hermeneutics: Between the Critical Rationalism of Popper and the Critique of the Ideologies of Habermas." Sponsored by the Department of Philosophy.

Films

Friday April 30

Four films on Japan, sponsored by the Japanese Speaking Society, 7:30-9:30 p.m., HUB assembly room.

Wednesday, May 5

Free Shakespeare film, "Henry V" (Olivier), 6:30 p.m., Room 101 Chambers.

Artists Series film, "Singin' in the Rain," 8:30 p.m., University Auditorium.

Friday, May 7

Student Film Organization, films produced by film majors, 10 a.m.-4 p.m., HUB assembly room.

Saturday-Sunday, May 8-9

Student films, 10 a.m.-4 p.m., HUB assembly room.

Hillel Foundation film, "I Love You Rosa," Saturday, 9 p.m.; Sunday, 7 p.m., HUB assembly room.

University schedule

Monday, May 3

Start preregistration for fall term.

First day for signing summer term NDSL, BEOG and University long term loans, Room 108 Shields.

Wednesday, May 9

Late drop deadline.

Last day for signing spring term NDSL, BEOG and University long term loans, Room 108 Shields.

Meeting

Monday, May 3

College of Health, Physical Education and Recreation faculty meeting, 7 p.m., Room 109 White.

Exhibits

Museum of Art: Portraits USA. 1776-1976.

Zoller Gallery: Graduate Show, opening May 1.

Kern Gallery: W. C. Handy Jazz Exhibit, until April 30. Tom McKinney, Paintings, until April 30. African Jewelry and Bronze Castings, until April 30. Bruce Johnson, Watercolors, opening May 1. 1st Annuel Graduate Sculpture Invitational, opening May 8.

HUB Gallery: Recent Works by Stuart Frost.

HUB Main Lounge: Suiting Everyone (Smithsonian Traveling Exhibition Service).

Pattee Library: Main Lobby — An Exhibit from the Entomology Department by David Shetlar. East Corridor Gallery — Drawings and Prints, Alten Larkin. Lending Services Lobby — Drawings and Paintings, Bill Diaz. Drawings, Nell Feather, opening May 4.

Chambers Gallery: Undergraduate Student Exhibition, att medle.

Singers offering "Americana"

"Americana," an evening of vocal novelties, will be performed at the fifth annual concert of the Pennsylvania Vocal Ensemble at 8:30 p.m. Thursday and Friday, April 29 and 30, in the Music Bldg. recital hall at the University. The ensemble, made up of 25 vocalists, including University students and singers from the State College area, performs under the direction of Bruce Trinkley, assistant professor of music.

The first portion of the program will consist of Randall Thompson's "Americana" to texts from "The American Mercury"; songs by Charles Wakefield Cadman from the University's Cadman Collection in the music department; Virgil Thomson's "Capital, Capitals" with text by Gertrude Stein; two southern folk hymns; and "General William Booth Enters Heaven" by Charles Ives. In the second portion, a selection of songs by Stephen Foster will be performed. Soloists In this segment will be soprano Karen Scott, assistant professor of music, and baritone Douglas Smith, a music graduate student and assistant director of the ensemble.

News in brief

Japanese films

An evening of films on Japan will be shown from 7:30 to 9:30 p.m. Friday, April 30, in the HUB assembly room.

The films are sponsored by the Japanese Speaking Society, a group organized by Hisako Tanaka, assistant professor of Japanese at the University.

Prof. Tanaka was brought in to direct the Japanese Lenguege and Literature Program, which was started lesi fall in the College of the Liberal Arts, with e grant from Japan Foundation.

Although lis offerings are not yet listed in the University Bulletin, the program now sponsors courses in elementary and intermediate Japanese, along with a survey of Japanese literature in translation. The latter runs the gamut from such classical works as the "Tale of Genji" to novels by Nobel laureate Mishima Kawabata.

Among the films to be shown on Friday are "Tokyo," "Festival Japan," "An Invitation to Japan" and "The Path: the Tea Ceremony."

New symposium

The Interdisciplinary Symposium on Value will hold its first program meeting at 7:30 p.m. Monday, May 3. Arrangements for a permanent location for meetings are underway. At the initial session, a paper developing "A Philosophical Defense of Relativism" will be presented by Dr. Joseph Flay, associate professor of philosophy. Two responses and general discussion will follow.

The recently organized Symposium brings together some 60 faculty members from various colleges and departments whose scholarly work and interests involve questions of value. The group will meet bi-monthly to discuss presentations by members or guests and for informal conversation. Faculty members and students who would like to participate on a regular basis are urged to indicate their interest by writing to James Martin, Room 439 Moore Bldg.

Faculty convocation May 11

President John W. Oswald and Mrs. Sally Small, chairman of the University Faculty Senate, will address the faculty of the University at the third annual University-wide Faculty Convocation to be held at 4 p.m. Tuesday, May 11.

University Park faculty members can attend the program at University Auditorium, as schedules permit. To accommodate faculty at other locations a simultaneous broadcast will be made to each of 21 other locations where faculty can gather in an aree convenient to them.

Since construction of University Auditorium, President Oswald has held an annual convocation for the faculty.

Brass Chorale to perform

The Penn State Brass Chorale, conducted by James Benshoof, assistant professor of music, will perform in concert at 8:30 p.m. Wednesday, May 5, in the Music Bldg. recital hall.

To be performed are Paul Winter's "Festfanfare" for three trumpets and trombones, a tuba, and timpani and Charles Knox's Symphony, a new contemporary work in one movement. "Three Intradas," short pieces for brass by Nelhybel, two ot which are performed by the Brass Chorale traditionally for the recessional at University commencement exercises, and Haulreich's Symphony for Brass and Timpani in three movements will complete the program.

'Think Small for 2076'

The second annual symposium sponsored by the faculty of the Science, Technology and Society Program will be held Tuesday, May 4, in Room 301 HUB. The topic is "Think Small for 2076."

The morning session will begin at 9:20 a.m , with a welcome from Robert J. Heinsohn, associate professor of mechanicel engineering. The keynote address, "Machinery, Organization and the American Mind: On Thinking ebout Worrying about Modern Life," will be delivered by Michael L. Barton, assistant professor of social science at Capitol Campus.

Donald P. Verene, associate professor of philosophy, will moderate a panel discussion, "A Question of Scale: Small vs. Large," with Prof. Barton; Peter B. Meyer, assistant professor of economic planning; Edwin J. Parrish, assistant professor of engineering (Altoona); and Kenneth P. Wilkinson, associate professor of rural sociology.

The afternoon session, which begins at 1:30 p.m., will be chered by Philip M. Becker, assistant professor of fuel science. Vincent C. Kevaloski, Interdisciplinary Program in the Humanities, and George B. Kleindorfer, associate professor of Management science, will talk on "The Imperialism of the Mind. Insirumental Reason and the Problem of Scele in Advanced Industriel Society." Roger D. Evered, assistant professor of management, will respsond.

Larry D. Spence, assisiant professor of political science, will speak on "The Politics ot Technology" at 2:15 p.m., and Marvin E. Rozen professor of economics, will serve as responder. A discussion period will follow.

Faculty, staff and studenis are invited to attend all of the sessions.

Bicentennial salute at HUB

The HUB Terrance Room will be doing its bit for the Bicentennial the week of May 3-8 with specially planned live musical entertainment keyed to a theme celebrating the various regions of the country. Monday is New England's day, so the menu includes boiled dinner, Yankee pot roast and Boston baked beans. On Tuesday, the scene shifts to the Deep South with Louisiana creole, plantelion chicken, Virginia baked ham and black-eyed peas. Travelling west ot the Mississippi on Wednesday, diners can sample Texas-style spareribs, Chinalown pepper steak or stuffed Pacific sole. The Mid-Atlantic region takes the spotlight on Thursday with Pennsylvania Dutch beef, fried bay clams and Maryland style chicken.

Friday and Saturday evening, there is a special All-American Dinner, including roast tom turkey with midwestern cornbread dressing, Mississippi River steamboat round, Chesapeake Bay crab imperiel, Hawaiian pork chop, Gulfstream shrimp and California braised lamb. Salads, vegetables and desserts have all been chosen to compliment the theme, from New York cheese pie to an Old Glory molded salad.

Terrace Room hours are from 5 to 6:45 p.m. Monday through Thursday and from 4:45 to 7 p.m. Friday and Saturday.

The heat's off

The University's Executive Energy Conservation Committee has announced that as of Sunday, April 25, heat systems in University buildings began to be turned off. Comfort air conditioning will be started beginning Monday, May 10. The Committee notes that since it takes approximately one week for 10 days for each operation to be completed campus-wide, it is not leasible to turn these systems on and off to accommodate daily weather changes. Exceptions wil be made to this schedule, with committee approval, primarily in cases involving research animals or equipment.

Whitmore lectures

Noted organic chemist Barry M. Trost, of the University of Wisconsin, will offer the first annual Frank C. Whitmore Lectures Monday-Thursday, May 3-6.

The new lecture series honors the late Dean of Penn State's School of Chemistry and Physics, a forerunner of the College of Science. An internationally known organic chemist, Dean Whitmore was a member of the National Academy of Sciences and a president of the American Chemical Society.

The series of luor lectures, sponsored by the Department of Chemistry, is open to the public.

All lectures will be presented in Room 333 Whiimore Dr. Trost's topics and schedule are as follows: "New Approaches to the Design of Molecular Architecture I. The Framework," May 3, 8 p.m.; "Molecular Architecture II. The Tools," May 4, 12:45 p.m.; "Molecular Architecture III. The Finishings," May 5, 12 45 p.m.; and "Molecular Architecture IV. The Blueprint," May 6, 4 p.m.

Dotterer lecture

Dr. Hans-Georg Gadamer, emeritus professor of philosophy at the University of Heidelberg, will deliver the seventh annual Dotterer Lecture sponsored by the Department of Philosophy at 8 p.m., Wednesday, May 5, in the HUB assembly room. His topic will be 'Hermeneutics. Between the Critical Rationalism of Popper and the Critique ol the Ideologies of Habermas." The lecture is open to the public. Dr. Gadamer, who studied under the famous German philosopher Martin Heidegger at Freiburg, specializes in philosophical hermeneutics on problems of interpretation of lexts, data and action.

Preceding the lecture, the Ray H. Dotterer Scholarship Award will be presented to Jean Kazez, as the most promising philosophy major in the junior year. Her father, Dr. Emil Kazez, is a professor of physics at Penn State. The lecture and scholarship honor the late Dr. Ray H. Dotterer, who for many years was the head of the University's Department of Philosophy.

Review your deductions

In a recent article which suggested that employees review the payroll deduction for hospital coverage, one of the deductions was inadvertently omitted. The following are all of the possible deductions for this coverage.

Insured Persons	Monthly	Bi-Weekly
Employee only	None	None
Employee, child, children	$1.75	$0.80
Employee, spouse	3.60	1.66
Employee, spouse, child or children	5.00	2.30

Employees wishing to make changes in their health insurance coverage should call, write or visil Employee Benefits, Room 133 Willard Bldg., 865-1473.

Fall preregistration

Students who are not planning to enroll at the University for the summer term and want to preregister for fall term, 1976, may file completed preregistration forms with the Records Office, Room 112 Shields Bldg., between May 3 and May 28. Preregistration forms may also be filed et summer term, 1976, registration or at Room 112 Shields Bldg. during the first 21 days oi summer term, June 8 through June 29.

Senate to meet

(Continued from page one)

that candidates satisfactorily completing multiple major programs under the policy shall receive one diploma for the original major. The final academic record will indicate completion of the requirements for additional majors.

The Senate also will receive an informational report from the Committee on Planning and Development on trends and current status information on the University's budget. The Subcommittee on Academic Planning will report on long-range enrollment prospects, while the Subcommittee on the Physical Plant Planning will present three reports on traffic control plans, housing at Commonwealth Campuses, and the status of construction projects.

In other business, the Senate will:

—Receive the annual report of the Division of Undergraduate Studies Advisory Committee.

—Hear the annual report on Faculty Rights and Responsibilities.

—Receive an interim report from the Task Force on Retention and Transfer of Students in Baccalaureate Program Majors.

—Hear a forensic report on program minors.

Artists Series

(Continued from page one)

cock, Wednesday series, Truffaut.

Non-student season ticket prices are $18, $22.50 or $27 for both the music and theatre-dance series, a savings of 25 percent. Combined tickets for these two series are also available at $33.50, $42 or $50. These programs will be presented in University Auditorium.

The Fine Arts Series will be held in Schwab, and tickets are $9 or $13.50. All seats for the three series are reserved. Film tickets are available at $6 for one series or $10 for both.

Staff vacancies

Staff vacancies in this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in the INTERCOM may be found in the Penn State REPORTER. All University employees who are interested in promotion may apply by calling the Employment Office, 865-1357 (eelworix Line 475-1367). Applications to these staff vacancies will be received until 5 p.m., **May 4, 1976. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

SUPERVISOR OF STOREROOM OPERATIONS, OFFICE OF PHYSICAL PLANT — University Park

Responsible to the Manager, Business Operations, for establishing, implementing, maintaining and evaluating procedures and methods for the procurement and distribution of a wide variety of building and maintenance materials and tools used by the Office of Physical Plant. Responsible for the overall efficient and effective operation of the storeroom Bachelor's degree in business administration, business logistics, industrial engineering or related field or equivalent, plus three to four years of directly related work experience in materials and inventory management is required.

MANAGER OF MEDICAL RECORDS — Hershey

Responsible to Assistant Hospital Director to the proper and efficient management of the administrative and professional functions of the Medical Records Department. Bachelor's degree or equivalent with specialized training in medical records and four to five years of directly related experience. Preferably a Registered Records Administrator.

SENIOR RESEARCH AIDE, COLLEGE OF AGRICULTURE — University Park

Supervise technical-service and part-time employees in seedbed preparation, fertilization, spraying, seeding, and care of experimental animals. Design and assist in the experimental work to determine the effect of management on the performance of forage and pasture species and livestock. Collect and statistically analyze data. Operate seeding, fertilizing and spraying equipment; use them. Collect and test soil and forage samples. Bachelor's degree or its equivalent in animal science, agronomy, with minor or strong interest in the related area, plus one to two years of experience, or in associate degree in animal science or agronomy with two to four years of related experience.

Funding sources

For lurther information, call 865-1372

(223-1) The National Science Foundation has announced a program of **Scientific and Technical Manpower Forecasting Activities** for support of studies relating to forecasts of requirements and supply of scientific and technicol manpowe. The deadline for FY 1976 proposals is May 10. Proposals must be limited to one of three categories: Improvement in projection methodology, development of information to fill currently existing data gaps, or pilot efforts of experimental forecasting manpower demand and supply. (Ref. Program Announcement, Ibid, NSF 76-12)

(223-2) National Endowment for the Humanities Foundation proposals for **Anthropological research** have fulur deadlines of Sept. 1, 1976, and Jan. 1 and Apr. 1, 1977. Programs in anthropological research include cultural and social anthropology, archaeology and physical anthropology. The program contact at NSF is Dr. Narcia Gonzalez (202-632-4209). (Ref. NSF 6uli., April 1976)

(223-3) The National Endowment for the Arts (NEA) announces a March 15, 1976, deadline for grant applications for **NEA Fellowship Grants for Composers and Librarilsts** under the NEA Music Program. These categories of support are funded as ara collaborative projects. Other NEA programs mentioned are **Jazz/Folk/ Ethnic Music, Visual Arts and Arts in Education.** Any including design of costumes, sets and posters (Jan. 1, 1977, deadline); and **Programming** in the Arts, including productions, tours and dissemination (Sept 15 deadline). Guidelines for these programs and the NEA Public Programs are available. (Ref. 41FR1494-51, 4/8/76)

(223-4) The Office of Education has announced deadlines for **Bilingual Education** programs' **basic programs — continuation** (May 10) — **initial awards** (May 24); **support services** (May 27) and **training programs** (June 1). Grant amounts are proposed rapsalitions for those programs are **teachar trainer fellowships, coordination of bilingual programs and materials development projects.** (Ref. 41FR14916-18, 14685-86; 4/8/76 (CFDA 13.403)

(223-5) The Office of Education has announced a May 7 deadline for resubmitted applications under its **Emergency School Aid** program including basic grants, pilot projects and bilingual projects. (Ref. 41FR15055-56, 4/9/76) (CFOA 13.525/526/528/529)

(223-6) The Department of Labor has announced proposed FY 1976 regulations for its **Comprehensiev Manpower Program and Oranta to Aid Areas of High Unemployment,** which is to be **implemented** through a system of hazard, state and local programs. The program includes: training; education; manpower services; research, training and evaluation of programs; and the establishment of a Job Corps. Comments are requested by May 10. Regulations will become effective July 1. (Ref. 41FR15161-228) (P.L. 93-203)

(223-7) Fulbright-Haya lecturing and research awards in Australia and New Zealand — July 1 for other countries. Special opportunities for study and research in Finland — students apply between May 1 and Sept 15.

(224-4) The National Institutes of Health announced seven more **cancer research emphasis grant (CREG) opportunities** (deadline Oct. 1), nutrition research grant (July 1), and one additional research award opportunity (July 1). (Ref. NIH Guido, April 1, 1976)

PENN STATE intercom

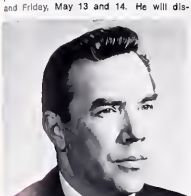
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An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News briefs

Geography talks May 13, 14

Dr. Donald W. Meinig, Maxwell Professor of Geography at Syracuse University and a specialist in the historic geography of American culture, will present two public talks at the University on Thursday and Friday, May 13 and 14. He will dis-



Dr. Meinig

cuss "Symbolic Landscapes: Some Idealizations of American Community" at 4 p.m. May 13 in Room 112 Kern Graduate Bldg. He will also present an informal, public seminar at 4 p.m. May 14 in Room 301 Mineral Industries on "Contemporary Work on the American Culture."

Dr. Meinig has focused his studies on the western United States, although he is presently writing a book on the geography of culture throughout America. A Ph.D. from the University of Washington, Seattle, he is the author of several books, including "Imperial Texas," "Southwest: Three Peoples in Cultural Change, 1670-1970" and "The Great Columbia Plain." His paper, "The Mormon Culture Region," has been extremely influential, and he has been the recipient of numerous national awards.

Littell to speak on Holocaust

Dr. Franklin H. Littell, professor and new chairman of the Department of Religion at Temple University, will speak at 8 p.m. Wednesday, May 12, in the HUB assembly room on "Christianity and the Holocaust in the Age of Genocide."

Dr. Littell is the author of 14 books and more than 200 articles dealing with church history, religious education and modern Jewish history. His latest books are "The German Church Struggle and the Holocaust," co-edited with Hubert G. Locke, and "The Crucifixion of the Jews." A former president of Iowa Wesleyan College, Dr. Littell is president of Christians Concerned for Israel. His speech is sponsored by the Institute for the Arts and Humanistic Studies, in cooperation with the Episcopal Campus Ministry and the Jewish Community Council of Bellefonte-State College.

Ag to hold open house

The development of agricultural technology during the past 200 years is the theme of an Open House to be held from 8:30 a.m. to 2 p.m. Saturday, May 8, as part of the College of Agriculture's Bicentennial observance.

University faculty and staff are invited to take part in numerous tours of College facilities and observe demonstrations depicting the hardships our early settlers endured in producing food for survival. At headquarters in the lobby of the Agricultural Administration Bldg., visitors will receive a map showing the location of the various exhibits and demonstrations.

Some highlights of the Open House activities are:

—Inspection of early animal nutrition studies conducted by using the Armsby Calorimeter.

—Demonstration of a horse-powered thresher and hay baler near Jeffrey Field at 1:30 and 4 p.m. by Dr. Robert Cowan, professor of animal nutrition.

—Tour of the Mushroom Research Center.

—Exhibit of laboratory items belonging to Dr. Evan Pugh, first president of Penn State.

Media opportunities discussion

"Minorities and the Mass Media: A Review of Career Opportunities" is the subject of an informal discussion to be held at the Paul Robeson Cultural Center at 8 p.m. Tuesday, May 11. Lionel Monagas, director of the External Equal Opportunity Program of the Federal Communications Commission, will be the guest speaker. Among the topics open for discussion will be stereotypes of women and minorities, training programs for minorities in television and radio, career possibilities in the media, and the effects of affirmative action on mass media. Students, instructors, community organizations and interested individuals are invited to take part in the discussion, which is open to the public.

The event is being held as part of a Career Workshop conducted by the Minority Training Program at WPSX-TV. The workshop also includes a television production on the same subject, which will feature Mr. Monagas and minority grant employees from several stations of the Pennsylvania Public Television Network.

Food symposium text ready

The University has published and made available for purchase the proceedings of the "University-Wide Symposium on Food and Our Future" held last fall. The symposium was designed to provide a broad overview of the current situation in foods, energy and the environment. Speakers represented every College of the University and some outside agencies, and texts of the various speeches are included in the 281-page volume. Inquiries should be directed to Continuing Education Production and Stores, Keller Bldg., or 865-0449.

"Collegian" judged best

The "Daily Collegian" was judged the best student newspaper in the Northeast by Sigma Delta Chi, the Society of Professional Journalists, at its regional convention in Rochester, N.Y., last weekend.

Skywatch scheduled May 7

The last Skywatch of the 1975-76 series, presented by the Department of Astronomy and the Astronomy Club, will be held from 8:30 to 10:30 p.m. Friday, May 7, at the observatory on the roof of Davey Laboratory. The show goes on only if it is possible to see most of the brighter stars with the unaided eye. If the sky is cloudy, the program will be held Saturday, May 8.

Retired staff to meet

The Penn State Retired Staff Club will hold its 178th meeting at 6:30 p.m. on Thursday, May 13, in the St. Andrews Episcopal Church Parish Life Center. A roast beef dinner will be served at a cost of $3 per person. Reservations should be made promptly since seating is limited. After dinner, Dr. and Mrs. Wayne Webb will give an illustrated talk describing their motoring trip through Mexico.

Faculty convocation May 11

President John W. Oswald and Mrs. Sally Smalt, chairman of the University Faculty Senate, will address the faculty of the University at the third annual University-wide Faculty Convocation to be held at 4 p.m. Tuesday, May 11.

University Park faculty members can attend the program at University Auditorium, as schedules permit. To accommodate faculty at other locations, a simultaneous broadcast will be made to each of 21 other locations where faculty can gather in an area convenient to them.

Since construction of University Auditorium, President Oswald has held an annual convocation for the faculty.

Higher ed samplings

Penn State is not alone among universities feeling the state budgetary pinch, according to the latest newsletter of the National Association of State Universities and Land Grant Colleges.

Rutgers is among those hardest hit. Gov. James T. Byrne requested $16 million less for the University in his 1977 budget. He proposed lowering the state's contribution to Rutgers by $60 million, $40 million less than the State Board of Higher Education had recommended. The University's ag experiment station alone was faced with a $3 million cut, almost half its total budget.

Rutgers' officials estimate that without relief they will have to boost tuition fees by 38 percent, from $725 to $1,004, placing New Jersey among the five most expensive state schools in the country.

Little joy for SUNY

There was also little joy on the campuses of the 34 state-operated institutions comprising the State University of New York as they contemplated the $21.5 million budget cut called for by Gov. Hugh Carey. The new cutbacks followed a $10 million expenditure ceiling imposed on the University by the previous year's budget.

The reductions have already forced an enrollment decrease of some 5,000 students, the elimination of 1,000 faculty and staff positions, and a 15 percent pay cut for 2,000 university employees who were forced to shift from 12- to 10-month contracts. SUNY's trustees have voted a tuition increase for this fall, 17 percent for freshmen and sophomores, 12 percent for juniors and seniors.

In Michigan, the proposed 1976-77 general fund operation appropriation for Wayne State was held to a two percent increase. That added up to $1.35 million, instead of the $16.7 million increase the University's Board of Governors had requested. The budget for Michigan State called for an increase of only $2 million over last year, and President Clifton Wharton said this would not only mean enrollment ceilings but could also lead to further tuition increases (a 15 percent tuition rise has already been passed along to students and their families).

Georgia cut its appropriation for the University of Georgia by $6.2 million, and out in Washington, Washington State and the University of Washington, under pressure to raise additional funds, are contemplating tuition hikes of 24 percent.

Faculty asked to submit activities data

Members of the faculty who wish their publications and professional activities listed in the University's annual bibliographies should send this information to their department heads, research deans or intercollege research unit directors.

Detailed instructions for the submission of these listings are given in a May 3 memo from Dr. R. G. Cunningham, vice president for research and graduate studies, and copies of this memo are available from department heads or research deans.

Commonwealth Campus faculty should send their listings to the respective department head at University Park, with an informal copy to their campus director and Commonwealth Campus dean.

Contributions should be in the department offices in sufficient time to reach the Office of the Vice President for Research and Graduate Studies by July 31.

The bibliography is printed in two publications, "Research Publications and Professional Activities" and "University Publications and Reports to Agencies." To be included are research papers and articles, books reviewed and printed by established publishers, substantive and/or final reports sent to state and federal agencies, informational materials (articles and reports printed in non-standard journals), and novels, short stories, musical compositions, exhibits of fine arts, inventions, patents and any other activity that meets recognized standards of excellence in its field.

New procedure to compute grade point deficiencies

The University has adopted a new procedure for computing grade point deficiencies for undergraduate students when "no grades" or "deferred grades" are involved.

Under the procedure, which goes into effect in the summer term, 1976, the grade point deficiency is computed on the Grade Report, ignoring NG's and DF's.

In the past, if a student received a "deferred grade" or "no grade," no grade point deficiency was computed and no drop action or warning took place.

The new plan provides for a "Warning" or "Dropped" to be printed on the Grade Report along with the number of deficiencies. Term and cumulative averages will not be reflected on the Grade Report or the summary section of the academic records.

If drop action is warranted, the academic record will be annotated and the student would be notified of the drop action. If, on the other hand, drop action is not warranted, the grade report would be changed to "Warning" or no notation if the deficiency is less than six.

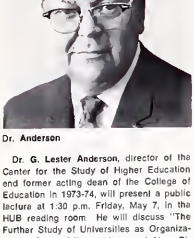
Other scholastic actions such as the Dean's List and class rankings will not be taken so long as a deferred grade or no-grade exists.

The Administrative Council on Undergraduate Instruction developed the new procedure with concurrence of the Senate Committee on Undergraduate Instruction.

Under present Senate rules, "a grade-point deficiency exists when total grade points are less than total credits times two . . . No grade-point deficiency should exist at the time of graduation."

PENN STATE COLLECTION

Faculty notes



Dr. Anderson

Dr. G. Lester Anderson, director of the Center for the Study of Higher Education and former acting dean of the College of Education in 1973-74, will present a public lecture at 1:30 p.m. Friday, May 7, in the HUB reading room. He will discuss "The Further Study of Universities as Organizations: Some Offbeat Ideas and New Dimensions." At 7 p.m. Dr. Anderson, who plans to retire July 1, will be honored at a dinner at the Nittany Lion Inn.

A nationally-known educator, Dr. Anderson joined the University faculty in 1969 after an 18-year career at SUNY, Buffalo, where he served as dean of administration, vice president for education affairs and distinguished service professor of higher education. Earlier, Dr. Anderson was dean of teacher education at the now City University of New York and professor of education at the University of Minnesota. A graduate of Nebraska State College, he received his M.A. from Colorado State College of Education and his Ph.D. degree in educational psychology from the University of Minnesota.

Dr. John M. Samuels, assistant professor of industrial engineering, has been selected a recipient of the Dow Outstanding Young Faculty Award of the Middle Atlantic Section of the American Society for Engineering Education (ASEE) for 1976.

Dr. Samuels, who joined the Penn State faculty as an instructor in 1968, received his bachelor's degree in industrial engineering from General Motors Institute, Flint, Mich., and his M.S. and Ph.D. degrees in industrial engineering from the University. He has been actively involved with local industry in developing innovative programs which allow undergraduate industrial engineers to do student term projects in industry, and he continues to work with state and local agencies on the problems related to the design of work centers for the handicapped.

Geoffrey L. Wilson, associate professor of engineering research at the Applied Research Laboratory, has been elected a Fellow of the Audio Engineering Society in recognition of his contributions in the field of acoustical measurements and his furthering of audio education. Born in London, Dr. Wilson received his B.A., M.S., and B.Sc degrees from Oxford University and his Ph.D. from the University of Technology in Loughborough. He joined ARL in 1959.

Dr. John C. Griffiths, professor of petrography, recently presented two talks, "Modeling the Petrology of Detrital Sediments" and "Exploration for National Resources" to the Department of Geology at the College of Charleston, S.C.

Dr. Ingeborg Chaly, assistant professor of speech communication (Behrend College), is the author of an article, "The Rhetoric of Obstruction: Parliamentary Tactics of the Irish Nationalists: 1877-1886," to be published in the June issue of the "Journal of the Speech Communication Association of Pennsylvania."

Dr. Rustum Roy, director of the Materials Research Laboratory and professor of the solid state, delivered the Fairchild Lecture at Lehigh University, April 21. The Sherman Fairchild lecture series in Solid State Studies is supported by an endowment from the founder of Fairchild Industries and brings to Lehigh leading scientists from industry and universities to describe advances in solid state science. Prof. Roy spoke on "Non-Crystalline Solids — the New Solid State Hosts."

Dr. Robert Lima, professor of Spanish and comparative literature, delivered an invited lecture on contemporary women poets of Spanish America at the International Conference on Women Writers of the Americas, held recently at San Jose State University. His talk discussed the precursory role of four poets in focusing attention on woman's sexuality and the inequity of a double standard which required its repression while permitting male sexual freedom.

Dr. Deane K. Smith, professor of mineralogy, has been elected to two national positions. He is serving as 1976-78 secretary of the American Crystallographic Association, and as 1976-77 vice chairman of the Joint Committee on Powder Diffraction Standards.

John D. Vairo, Delaware County Campus director and associate professor of journalism, was one of 50 persons in the State to receive the Pennsylvania School Press Association's Golden Keystone Award for outstanding contributions to the journalistic achievements of young Pennsylvanians. The award is the second presented to Mr. Vairo in two years.



Mrs. McWilliams



Dr. Fraser

Dr. Alistair B. Fraser, associate professor of meteorology, and **Emilie T. McWilliams,** Earth and Mineral Sciences librarian, have received the 1976 Matthew J. and Anna C. Wilson Outstanding Teaching Awards of the College of Earth and Mineral Sciences. This is the eighth year that the awards, each consisting of $1,000 and a plaque, have been presented. They are made possible through a trust fund provided by the will of the late Matthew J. Wilson, a 1918 Penn State mining engineering graduate, who died in 1963. The recipients of the teaching awards are selected by the dean of the College from nominations and petitions submitted by students.

Dr. Fraser has a B.Sc. in mathematics and physics from the University of British Columbia and a Ph.D. in meteorology from Imperial College, University of London. He came to Penn State in 1972 after four years on the faculty of the University of Washington. He has published research papers on the physics and dynamics of clouds, and, more recently, on meteorological optics. An avid photographer, he has amassed a large collection of photographs of meteorological phenomena.

Mrs. McWilliams received her B.S. from Carnegie-Mellon University in 1948 and then worked as a chemist at American Viscose Corp., the U.S. Quartermaster Depot, Philadelphia, and with Consolidation Coal Co. In 1957-58, she did her first library work, for an American Petroleum Institute Project at Carnegie-Mellon. She entered the University of Pittsburgh to earn her M.L.S. For the next two years she served as librarian of the science and technology department of Carnegie Library of Pittsburgh, coming to Penn State in 1966.

Dr. C. Dale Therrien, associate professor of biology, will present three research papers at the annual meeting of the Botanical Society of America in New Orleans, La., May 30-June 4. His co-authors include Dr. John J. Yemma, a Penn State alumnus, Barbara Paladino, 6th term biology major, Linda J. Bradley, former PSU graduate student, and Dr. Neil R. Collins, professor and chairman of the Department of Botany, Berkeley.

An endowed professorship in the physical sciences has been created at Cornell University in honor of **David C. Duncan,** professor emeritus of physics at Penn State. It is a gift from Floyd R. Newman, a 1912 graduate of Cornell, and is the fourth named professorship he has established. Dr. Duncan's wife, Mildred, is a cousin of Mr. Newman's. Dr. Duncan received his B.A., M.S. and Ph.D. from the University of Michigan and taught at Purdue from 1911 to 1917. He came to Penn State in 1918, retiring in 1953. After retirement, he was a part-time employee of the U.S. Intelligence Service for 13 years, and he is still an active member of Penn State's Retired Staff Club.

Dr. George W. Brindley, professor emeritus of mineral sciences, was invited to attend the Centenary Celebration of the Mineralogical Society in London, England recently, where he gave a lecture to the Society's Clay Minerals Group on "The Present Status and Future Trends of Clay Mineralogy." He was the first chairman of the Clay Minerals Group, which is celebrating its 30th birthday.

Three faculty members of the Division of Community Development are co-authors of "Three Models of Juvenile Justice," an article appearing in the spring issue of the "Criminal Law Bulletin." They are **Daniel Katkin,** associate professor of law; **John Kramer,** assistant professor of criminal justice; and **Drew Hyman,** assistant professor of community development. The study suggests that three irreconcilable action models coexist uneasily within the juvenile justice system and that their interaction causes conflicts and inequities resulting in further fragmentation of the system of justice for the young. Further documentation and a more detailed account is provided in the authors' book, "Delinquency and the Juvenile Justice System," published by Duxbury Press.

She who travels the seminar circuit must reckon with Midstate

By Barbara Hale, Science Writer, College of Science

Whatever you do, don't ask Jean Brenchley how to fly to Connecticut from here because she'll tell you.

"I had to give a seminar there," she says. "If took me seven airports because you can't get east from here and you can't get north. The only way you can get is west and south. To get to Connecticut turns out to be almost impossible."

Dr. Brenchley obviously thinks coming back via the silver bird of Black Moshannon is just as much fun. "I told the travel agency they'd have to carry me onto that Philipsburg flight on a stretcher. No way would I go on that flight again," she fumes.

What has turned a calm, no nonsense, young microbiologist into an angry militant who threatens to boycott our frequently foggy but still serenely sylvan aerodrome? The seminar circuit, that clamor for a scientist's physical presence which the invisible college puts up when it suddenly decides that your research is "hot."

Dr. Brenchley got onto the circuit about three years ago, when her work on the bacterium, Klebsiella, suddenly came into vogue. The story is a classic example of how basic science gets down to being applied.

Dr. Brenchley recalls that the work was begun when she was a postdoctoral student in Boris Magsanik's group at MIT. The group discovered that Klebsiella possesses an enzyme, glutamine synthetase, that has both a biosynthetic function and a regulatory function.

"This novel form of regulation was unknown before," she explains, "and it meant the cell could very economically control several metabolic pathways with just one enzyme that was also very centrally tuned into other cellular functions."

On its own, the finding was important enough to excite Klebsiella fans among the basic science community but probably wouldn't have jarred anyone else, except for one fact — one of the pathways the enzyme controls is nitrogen assimilation.

Nitrogen forms about 15 to 18 percent of most proteins, the basic building blocks of every living thing. Neither animals nor most plants are able to collect the nitrogen they need from the atmosphere but must, as Evan Pugh, first president of the University, demonstrated, rely on other sources. We rely on the plants and animals we eat. The plants rely on soil nitrates commonly called fertilizer or plant food. A few clever bacteria and algae have evolved the knack of using or "fixing" nitrogen directly from the air but, so far, nothing else has.

However, Dr. Brenchley says, with the new techniques that became available in genetic engineering, many researchers became interested in trying to take nitrogen fixing genes from those clever bacteria and algae to put them in other organisms, for example, wheat, corn, and rice. If they could do that, then those crops wouldn't need nitrogen fertilizers.



Dr. Brenchley

But in order to make the gene transplants a success, Dr. Brenchley explains, researchers have to "understand not only the segment of DNA responsible for making the nitrogen fixation enzymes but also how the process is regulated."

As yet, nobody has successfully transplanted a nitrogen fixing gene into a plant but the day will.

Meanwhile, Dr. Brenchley travels the seminar circuit spreading the word on regulation in Klebsiella while conducting a related project on Salmonella. In that project, she has learned that Salmonella controls the nitrogen assimilation process in a very different way from Klebsiella, and the alternate mechanism — when and if she can delineate it — could be just as useful to those who want to transplant nitrogen fixing genes into food crops.

Dr. Brenchley gets many more requests for seminars than she can meet, but she has a realist about that and about the phenomena of being "hot."

"I don't think I'm that 'hot,' per se," she says. "A lot of this could be a fad, partly because the control itself is so novel and because the experiments leading to it and ideas were very complicated. It's not the kind of thing that's easy for people to read one publication and understand. So I think that it's just natural for awhile

(Continued on page four)

University Park Calendar

May 6—16

Items to be included in this calendar should be sent to the Calender Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special events

Thursday, May 6

"Travel Fair," 9 a.m.-5 p.m., Kern.

Commons Videotape, noon, Kern lobby.

Sports: Women's tennis, vs. Princeton, 2 p.m. Women's lacrosse, vs. East Stroudsburg, 3 p.m.

Drug Awareness Days program, 7:30 p.m., HUB assembly room. "The Development of Drug Usage and Legality in the U.S.," with Alan Ellis and speakers from the Governor's Council and PSORML.

University Theatre, "Unruly Children: A Pennsylvania Bicentennial Vaudeville," 8 p.m., Pavilion Theatre.

Penn State Thespians, "South Pacific," 8:30 p.m., Schwab.

Friday, May 7

"Travel Fair," 9 a.m.-5 p.m., Kern.

Sports: Men's lacrosse, vs. Pennsylvania, 8 p.m.

University Theatre, "Unruly Children: A Pennsylvania Bicentennial Vaudeville," 8 p.m., Pavilion Theatre.

Penn State Thespians, "South Pacific," 8:30 p.m., Schwab.

Claremont Woodwind Quintet, 8:30 p.m., Music Bldg. recital hall.

Operation Research, 8:30-10:30 p.m., Davey Lab Observatory.

Saturday, May 8

College of Agriculture Open House, celebrating the development of agricultural technology during the past 200 years, 8:30 a.m.-2 p.m., headquarters, lobby of Ag. Adm. Bldg.

Sports: Women's tennis, vs. Ohio State, 9:30 a.m. Golf, Lady Lion Spring Invitational. Women's lacrosse, vs. Cortland, 1 p.m.

University Theatre, "Unruly Children: A Pennsylvania Bicentennial Vaudeville," 8 p.m., Pavilion Theatre.

Penn State Singers' Music of American Composers, 8:30 p.m., Music Bldg. recital hall.

Howard Cosell, 8 p.m., Recreation Bldg Sponsored by Collegiuy.

Penn State Thesplans, "South Pacific," 8:30 p.m., Schwab.

Sunday, May 9

Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Charles L. Coleman, program director, religious affairs.

Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. "Today Is Women's Day," Mrs. Carrie Lucious, Pittsburgh; special women's day choir.

Shavers Creek Nature Center, Early Morning Bird Walk, 7 a.m.; Spring Wildflower and Ecology Walk, 3 p.m.; Mineral Industries Bldg., Stone Valley.

Penn State Glee Club Mother's Day Concert, 3:30 p.m., Schwab.

"Baal-Yamen," produced by Circumstance Theatre, 8 p.m., Room 101 Kern.

Monday, May 10

"Fashion Today," fashion show, 12 noon; Virginia Palazzari, man-environmentel relations, on "Fashion Design and Style through the Ages," 12:45 p.m., Room 101 Kern.

Concert White Band pops concert, 6:30 p.m., Herman G. Fisher Plaza.

Valerie Ferrone, violin, 8:30 p.m., Music Bldg. recital hall.

Tuesday, May 11

University-wide Faculty Convocation, with addresses by President Oswald and Senate Chairman Sally Small, 4 p.m., University Auditorium.

"Minorities and the Mass Media: A Review of Career Opportunities," 8 p.m., Paul Robason Cultural Center. Informal discussion sponsored by WPSX-TV with guest speaker Lional Monagas, of the FCC.

Wednesday, May 12

Sports: Men's baseball, vs. Indiana, Pa., 1:30 p.m.

University Theatre, "Jazz Dance Theatre in Concert," 8 p.m., Playhouse Theatre.

Composers' Concert, 8:30 p.m., Music Bldg. recital hall.

Thursday, May 13

Commons Videotape, 12 noon, Kern lobby.

Sports: Women's softball, vs. Ursinus, 3 p.m. Women's lacrosse, vs. Ursinus, 3 p.m.

FSHA 410 dinner, a Tribute to the Cuisine of Don Quixote, 5:30 p.m., Maple Room. Reservations: 865-7441.

University Theatre, "Jazz Dance Theatre in Concert," 8 p.m., Pleyhouse Theatre.

Friday, May 14

Sports: Men's track, Penn State Open Invitational.

Folk and Square Dance Roundup, 7:30 p.m., White.

University Theatre, "Jazz Dance Theatre in Concert," 8 p.m., Playhouse Theatre. Collette Vonada, organ, 8:30 p.m., Music Bldg. recital hall.

Saturday, May 15

University Theatre, "Jazz Dance Theatre in Concert," 8 p.m., Pleyhouse Theatre.

PSU Symphony Orchestra, 8:30 p.m., University Auditorium.

Sunday, May 16

Chapel Service, 11 a.m., Music Bldg. recital hall. The Chapel Choir's Spring Concert.

Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. "Today Is Men's Day," Rev. Leon B. Hall, Easton, Md.; special men's day choir.

Shavers Creek Nature Center, Spring Wild Flower and Ecology Walk, 3 p.m.; Mineral Industries Bldg., Stone Valley.

Penn State Symphonic Wind Ensemble Pops Concert, 3:30 p.m., Arts Courtyard.

Seminars

Thursday, May 6

Physics, 12:45 p.m., Room 333 Whitmore. Earl Mutterties, Cornell University, on "New Organometallic Chemistry."

Air Pollution Control, 2:20 p.m., Room 145 Fenske. Robert A. O'Dell, graduate student, on "Mechanisms and the Rate of Sulfur Dioxide Uptake by Vegetation."

Operations Research, 3:30 p.m., Room 160 Willard. Dr. Samual I. Gass, president, Operations Research Society of America, on "Quantitative Models — Their Acceptance and Utility."

Physics, 3:50 p.m., Room 119 Osmond. Dr. Thomas Appelquist, Yale University, on "Recent Developments in Weak and Electromagnetic Interactions."

Anthropology and Population Issues Research Office, 3:30 p.m., Room 107 Social Science. Dr. Alice B. Kasakoff, anthropology, University of South Carolina, on "Spatial Location and Social Organization: An Analysis of Tikopian Patterns."

Agronomy, 4 p.m., Room 111 Tyson. S. Selty on "Inheritance of Leaf Area in Corn."

Mathematics, 4 p.m., Room 103 McAllister. Joseph Schoenfield, Duke University, on "Some Results in Logic."

ARL, 3 p.m., Eric A. Walker Conference Room. Dr. Vijay K. Singhal, MIT, on "Acoustics of Ducts with Flow and Its Relation to Acoustically Induced Valve-Pipe Instabilities."

Astronomy, 4 p.m., Room 445 Davey. Dr. Fred Sanner, Kitt Peak National Observatory, on "Mass Loss ot Red Giants and Supergiants."

Meteorology, 4 p.m., Room 26 Mineral Sciences. Carl J. Oliver, National Environmental Satellite Service, Washington, D.C., on "A New Look at Hurricane Development and Quantitative Precipitation Forecasting from Satellites."

Monday, May 10

New Communities, Architecture, 2 p.m., Room 322 Sackett. Dr. Daniel Hillel, soil physics, Hebrew University of Jerusalem, on "Water Supply Systems for an Arid City."

Genetics, 3:55 p.m., Room 111 Tyson. Dennis Fitchen on "Possible Mechanisms Involved in Chromosome Inactivation."

Astronomy, 4 p.m., Room 445 Davey. Alan T. Koski, University of California, Santa Cruz, on "Spectrophotometry of Seyfert Galaxies."

Biochemistry and Biophysics, 4 p.m., Room 101 Althouse. Dr. Per P. Schollander, physiology, Scripps Institute of Oceanography, on "The State ot Water in Osmolic Pressure."

Organic Chemistry, 8 p.m., Room 333 Whitmore. Harold Gerdes on "Elementary Pattern Recognition in Organic Chemistry."

Tuesday, May 11

Analytical Chemistry,12:45 p.m., Room 445 Davey. Mrs. V. A. Spendel on "Electrochemical Studies in DMF-Water Mixtures."

Solid State Physics, 1 p.m., Room 339 Davey. Dr. W. B. White, MRL, on "Raman Gathering from Ordered and Disordered Crystals."

Solid Waste, 2:20 p.m., Room 140 Fenske. Louis A. Ravina, consultant, Thomas M. Riddick & Assoc., N.Y., on "How PL 92-500 Affects Wastewater Design and Solids Handling Systems."

Engineering Mechanics, 4 p.m., Room 232 Hammond. Ganta Reddy on "Computer Automated Minimum Weight Design of Structures."

Biochemistry and Biophysics, 4 p.m., Room 101 Althouse. Richard E. Dickerson, California Institute of Technology, on "The Cytochrome Fold and the Origin of Bacterial Energy Metabolism."

Inter-Science, 4 p.m., Room 333 Whitmore. Herbert Tabor, Biochemistry, Pharmocology, Metabolism and Digestive Division, NIH.

Inorganic Chemistry, 4 p.m., Room 333 Whitmore. Ron Epstein.

Wednesday, May 12

Fuel Science, 4 p.m., Room 301 Mineral Industries. Dr. Alan Davis, geology, on "Occurrence of Pyrite in Coals."

Thursday, May 13

Meteorology, 4 p.m., Room 26 Mineral Sciences. Fred House, Drexel University, on "Preliminary Results from the Limb Radiance Experiment on Nimbus 6."

Chemistry, 12:45 p.m., Room 333 Whitmore. Mary Good, University of New Orleans, on "Mossbauer and ESCA Studies of Heterogeneous Ruthenium Catalyst Systems."

History, 1:15 p.m., Room 124 Sparks, Dr. George P. Bonis on "The Military Communications of Alexander the Great."

Bioengineering, 1:30 p.m., Room 121 Noll. Dr. W. G. Kubicek, physical medicine and rehabilitation, University of Minnesota Medical School, on "Impedance Cardiography."

Air Pollution Control, 2:20 p.m., Room 145 Fenske. Ching-Ming Sheih, Argonne National Lab., on "Particulate Coagulation and Transport."

Physics, 3:50 p.m., Room 119 Osmond. Dr. H. Ehrenreich, applied physics and engineering, Harvard University, on "Theory of Alloys."

Mathematics, 4 p.m., Room 103 McAllister. Nathan Jacobson, Yale University, on "Some Algebraic Results."

Agronomy, 4 p.m., Room 111 Tyson. P. H. Williams on "Uptake of Cd, Zn, and Cu by Corn and Sorghum Herbage Grown on Sewage-Sludge Fertilizer, and Their Accumulation in Meadow Vole Tissues."

Friday, May 14

Geography, 4 p.m., Room 301 Mineral Industries. Dr. Donald W. Meinig, Maxwell Professor of Geography, Syracuse University, on "Contemporary Work on the American Culture."

Lectures

Thursday, May 6

Frank C. Whitmore Lecture, Barry M. Trost, University of Wisconsin, 4 p.m., Room 333 Whitmore, on "Molecular Architecture IV: The Blueprint."

Friday, May 7

Dr. G. Lester Anderson, director of the Center for the Study of Higher Education, on "The Further Study of Universities as Organizations: Some Offbeat Ideas and New Dimensions," 1:30 p.m., HUB reading room.

Tuesday, May 11

Walton J. Lord, associate professor of art history, on "Constable at Salisbury: Variations on a Theme," 8 p.m., HUB assembly room. Sponsored by Art History.

Wednesday, May 12

Dr. Franklin Littell, religious studies, Temple University, on "Christianity and the Holocaust In the Age of Genocide," 8 p.m., HUB assembly room.

Thursday, May 13

Dr. Donald W. Meinig, Maxwell Professor of Geography, Syracuse University, on "Symbolic Landscapes: Some Idealizations of American Community," 4 p.m., Room 112 Kern.

Exhibits

Museum of Art: Portraits USA. 1776-1976.

Zoller Gallery: MFA show by Brigitte Henry and William Diez, painters, and Fred Shitzer, sculptor.

HUB Gallery: Recent Works by Stuart Frost, until May 16. **HUB First Floor:** Retrospective exhibit of work by French architect Auguste Perret.

HUB Main Lounge: Suiting Everyone (Smithsonian Traveling Exhibition Service).

Kern Gallery: Bruce Johnson, Watercolors. First Annual Graduate Commons Sculpture Invitational, opening May 8.

Chambers Gallery: Undergraduate Student Exhibition, all media.

Pattee Library: Main Lobby — Entomology Department Exhibit by David Shetlar, until May 10. East Corridor Gallery — Drawings and Prints by Allan Larkin. Lending Services Lobby — Drawings by Neil Feather.

Films

Friday, May 7

Student Film Organization, films produced by film majors, 10 a.m.-4 p.m., HUB assembly room.

Saturday-Sunday, May 8-9

Student films, 10 a.m.-4 p.m., HUB assembly room.

Hillel Foundation film, "I Love You Rosa," Saturday, 9 p.m.; Sunday, 7 p.m., HUB assembly room.

Tuesday, May 11

Artists Series film, "Amarcord," 8:30 p.m., University Auditorium.

Friday, May 14, and Sunday, May 16

Free Shakespeare film, "King Lear" (Paul Scofield, Peter Brook), 6:30 p.m., Room 101 Chambers.

Meeting

Tuesday, May 11

GSA Council, 7 p.m., Room 101 Kern.

Singers offer "Billings to Barber"



Prof. Brown and Penn State Singers in rehearsal.

The Penn State Singers, directed by Raymond Brown, professor of music and University choral director, will present "Billings to Barber," a concert of American music, at 8:30 p.m. Saturday, May 8, in the Music Bldg. recital hall. In celebration of the Nation's Bicentennial year, the program is devoted to American composers, with special emphasis on early music. Much of the music had its last known performance in 1801 and has not been published since appearing in song books by singing masters in the late 1700s. The Singers was founded in 1957 by Mr. Brown in the tradition of a collegium musicum to perform choral works by composers from the Renaissance to the contemporary.

To be performed in the Saturday concert are works by Shumway, French, and other early composers, music by William Billings — including "The Rose of Sharon" and "Ba Glad Then America" — end music by such contemporary composers as Carter, Barber and Copland. No tickets are required.

Arts roundup

Claremont concert

The Claremont Woodwind Quintet will perform its final concert of the academic year at 8:30 p.m. Friday, May 7, in the Music Bldg. recital hall. The quintet, with music faculty members Christeen Callahan Dole, French horn; Overda Page, flute; Smith Toulson, clarinet; William Dole, bassoon; and Gregory Donovetsky, oboe, will perform four works by American composers. Selected for performance are Quintet #1 by Alvin Etler, who studied with Hindemith; Swedish emigre Ingolf Dahl's Allegro and Arioso; e quintet by Walter Piston; and Persichetti's Pastorale.

Constable commemorated

The 200th anniversary of the birth of John Constable, the great English landscape painter, will be commemorated with a public lecture by Walton J. Lord, associate professor of art history, at 8 p.m. Tuesday, May 11, in the HUB assembly room. Constable, born on June 11, 1776, is recognized for the profound influence of his work on English and European painting in the 19th century. Mr. Lord's talk, titled "Constable at Salisbury: Variations on a Theme," is sponsored by the Department of Art History.



Samuel Lovett Waldo's "The Independent Beggar," among works on view in "Portraits USA /1776-1976" in the Museum of Art through June 6, attracted an unusual amount of attention in the second annual exhibition held at the Boston Athenaeum in 1828. The picture is the only portrait in the Bicentennial exhibition painted on wood panel, a fairly common vehicle in the early 19th century when canvas was difficult to obtain.

Perret retrospective

A retrospective exhibit of the work of the French architect Auguste Perret will be on view through the end of the month in the first floor display area in the HUB, sponsored by the Departments of Architecture and French.

Auguste Perret, one of the greatest architects of the 20th century, was born in Brussels in 1874 and died in 1954 in Paris. The son of a building contractor, he learned through experience that the "art" of architecture was closely dependent on building materials, each of which required a specific architectural expression.

Perret pioneered the use of reinforced concrete, and his work became totally devoted, artistically as well as technically, to the application of this material to architecture.

In his notes, he wrote, "He who conceals a pillar makes a blunder," and, "By concealing even one part of the framework one temporarily architecture's sole legitimate and truest ornament."

The photographic documents in the retrospective illustrate Perret's life and works.

Behrend Arts Festival

The sixth annual Spring Arts Festival is being held this week at Behrend College. As indicated by its title, "Variations on a Theme," the festival includes a diversity of art forms. There are presentations by the Erie Philharmonic Chorus and the Erie Civic Ballet, and a poetry recital and opera workshop with members of the Eastern Opera Theatre of New York. Craft demonstrations and displays are scheduled for the weekend, along with folk, rock, bluegrass and jazz concerts. Works of art and photography are on exhibit, and there are daily film showings.



Left to right: Glee Club members Jon Lippard and Paul Anderson; Douglas Smith, assistant director; and Bruce Trinkley at the piano.

Mothers' Day concert

The annual Mothers' Day concert by the Penn State Glee Club, directed by Bruce Trinkley, assistant professor of music, will be performed at 3:30 p.m. Sunday, May 9, in Schwab Auditorium. No tickets are required. Highlighting the program of all-American music will be selections from the Pennsylvania Bicentennial Wagon Train Show, arranged by Mr. Trinkley who also collaborated on the composition, William Billings' hymn, "Chester," heard often in the La Montaine opera, "Be Glad Then America," and his "David's Lamentation" will open the program, with songs by Thompson, Persichetti, and Foster and folk songs and spirituals following. Selections will also be performed by the Hi-Lo's, and the concert will close with traditional Penn State songs. Soloists include music students David Booz, tenor; Edward Steele, baritone; and Douglas Smith, baritone and assistant director.

On the evening preceding the Mother's Day concert, the Penn State Glee Club will perform at the invitation of the Intercollegiate Musical Council, the national association of men's glee clubs, at its seminar at Union College, Schnectady, N.Y.

White Band offers pops program

The ex-member Concert White Band, back-up ensemble to the well-known Concert Blue Band, will present an outdoor pops concert at 6:30 p.m. Monday, May 10, on the plaza east of Kern Bldg. Included in the program will be marches by Bilik, Ostering, and Goldman; a musical tribute to the late Duke Ellington; selections from the musical "Oliver"; as well as compositions by Mitchell, Giannini and McBeth.

Directing the ensemble will be Stephen C. Wallace, doctoral candidate in music education. He will be assisted by Clay Conway at the Blue Band. The concert is open to the public at no charge, and it is suggested the audience may wish to bring folding chairs. In case of inclement weather, the concert will be held Monday, May 17, at the same hour and location.

WPSX highlights

The first months of life for a healthy, normal newborn baby are the focus of **Nova** Sunday, May 9, at 8 p.m. Subtitled "Benjamin," the hour-long documentary takes a close look at the infant's first six months to show how babies relate to their environment. For example, slow motion sequences demonstrate that babies are tuned in to human speech from birth, and the rhythm of adults speaking around them can be synchronized to their body movements. "Benajmin" may also be seen Saturday, May 15, at 3 p.m.

A travelling circus in Italy is the subject of "The Circus Moves on in Calabria," on **Piccadilly Circus** Monday, May 10, at 9 p.m. The documentary is an intimate glimpse into the tightly knit society of performers in the Embellnva Circus, owned by a widow whose seven children are members of the travelling troupe.

Wagner's "The Flying Dutchman" is featured on **Opera Theatre** Tuesday, May 11, at 9 p.m. Norman Bailey sings the title role, and Gwyneth Jones is Senta in this BBC-WNET co-production. The opera is sung in English and may also be seen Sunday, May 16, at 2 p.m.

Athletes who have overcome incredible physical or emotional handicaps to win Olympic medals are the focus of "The Persistent Ones," the second program in the ten-part **Olympiad** series Thursday, May 13, at 9 p.m. Among those featured on the program is Canadian runner Percy Williams, who was afflicted with rheumatic fever at the age of 15 and told he would never run again. Five years later, Williams became Canada's only double Gold Medal winner.

Poet and novelist James Dickey, author of "Deliverance," is featured in an hour-long conversation with Bill Moyers on **Bill Moyers' Journal** Thursday, May 13, at 10 p.m.

Seminar circuit

(Continued from page two)

people will want you to come and talk about it. Once they understand it, then there's no need for you to come back."

But not going back doesn't seem to be in Jean Brenchley's future.

"My students and I have some exciting things coming out of our other research projects on transfer-RNA," she says. "I hope by, say, next year that we'll start to publish And, once those papers are out, I expect there will be interest in those results."

There was a time, however, in Jean Brenchley's young life when the whole idea of working the seminar circuit and, indeed, even being an associate professor of microbiology at The Pennsylvania State University seemed pretty remote.

"I had one of the most unusual career paths you would ever want," she says. "I went to high school in northern Pennsylvania where most people, women in particular, were not encouraged to go to college at all."

She did make it to college, though — a state teacher's college — which trained her to be a biology teacher but didn't set her up for graduate training.

As a result, she says, "I was rejected by almost every graduate school I applied to."

"Eventually, through the good counsel of some friends, she got accepted at Scripps Institution of Oceanography. After two years, both she and Scripps agreed that she wasn't cut out to be an oceanographer, and she left for the University of California at Davis.

"I ended up getting my Ph.D. there," she says, "and it turned out to be a very suitable place."

After the Ph.D. came a year's postdoc at MIT and then an assistant professorship at Penn State.

"At the time that I was a graduate student I was told that I would never get a job because nobody would hire a woman," she adds. "Now I'm told that whenever I get seminar invitations, job offers, or grants it's **because** I'm a woman. I wish people would make up their minds."

It seems that they have in some cases. Dr. Brenchley reports that on one of her recent seminar trips she visited a research institution that had finally hired its first woman researcher. The woman had been employed there about a year when Dr. Brenchley arrived to find that the only special consideration deemed necessary was to add a "Wo" to a men's room door — a real sign of the times.

Library catalogs campus sounds

Although silence may be the golden rule of libraries, the sounds of a quarter-century of activities at Penn State com through loud and clear in a collection of audio tape recordings recently assembled and catalogued by the University Libraries.

Included are such diverse sounds as a poetry reading by Dylan Thomas in 1953 and a philipjic by radical activist Rennie Davis in 1970. A 1965 speech by Dr. Martin Luther King Jr. on the history of the civil rights movement has been preserved, as is a 1969 speech by consumer advocate Ralph Nader.

A catalog of the tapes, "Voices and Events," was published by the University Libraries last month.

The collection includes approximately 1,000 recordings and is being continually expanded Most of the recordings are of lectures, symposia, addresses and interviews conducted on campus in the last 25 years, and quality varies. Musical events are generally not included.

The collection is housed in the Rare Books and Historical Collections Department of Pattee Library and is administered by Dr. Ronald Filippelli, archivist of historical collections.

Staff vacancies

Staff vacancies in this publication generally r quire of least a baccalaureate degree or equivalen as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in the INTERCOM may be found in the Penn State REPORTER. All University employees who are interested in promotion may apply by calling the Employment Outlook 865-1357 (notwork Line 475-1357). Applications for those staff vacancies will be received until 5 p.m. **May 13, 1976. OO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

UNIVERSITY PHYSICIAN, RITENOUR HEALTH CENTER — University Park

Responsible to restore students medically to functioning condition of good health in a minimum amount of time to permit them to gain maximum benefit from their university education. Candidate must possess a degree of Doctor of Medicine from a school of medicine approved by the American Medical Association and a license to practice medicine in the Commonwealth of Pennsylvania. Four to five years previous effective related experience required.

ASSISTANT TO THE DIRECTOR, STUDENT AFFAIRS — University Park

Responsible to the Director of Religious Affairs for the fulfillment of essential support functions in the Office of Religious Affairs and of the Helen Eakin Thomhower Chapel & Student's deposit Social sciences or equivalent plus one to two years of directly related experience, or a master's degree in student personnel or higher education or equivalent, plus up to one year of directly related experience, is required. This will be a ten month appointment.

RESEARCH AIDE, COLLEGE OF AGRICULTURE — University Park

Responsible to an associate professor of poultry science and an associate professor of agronomy for the performance of research related to each discipline. Perform chemical analysis for various mineral elements in sewage sludge, plant and animal tissues. Perform biochemical analysis of various animal tissue, tissue fraction and body fluids. Collect tissues and body fluids and properly prepare for analysis. Summarize and report the results obtained in investigation. Perform other duties as assigned. Bachelor of science degree in science, preferably in chemistry or bio-chemistry plus 5-12 months of directly related experience required.

Funding sources

For further information, call 865-1372

(224-1) The Robert Wood Johnson Foundation has three major health emphases, improving access to health care, improved organization of health care services, and mechanisms for obtaining analysis of public policies in health. Projects are limited to health problems of national scope. In 1975, 141 grants committed $54.6 million. (From NWJ Fdt. Annual Report 1975)

(224-2) The new **FY 1976 National Science Foundation Guide to Programs** explains criteria for selection of research projects and contains program information under seven major headings: Scientific research projects; astronomical, atmospheric, earth and ocean sciences; research applications; science and technology policy research and analysis; international scientific and technological activities; opportunities; science education; and general programs, including travel and conference grants. (From ibid)

(224-3) Priorities for funding **FY 1976 Foreign Language and Area Studies Research Projects** proposals have been adopted without change by the Office of Education. (Ref. 41FR15437-38, 4/9/76) (CFDA 13.436)

(224-4) Proposed rules for **State Operating Programs for Handicapped Children** have been issued by the Office of Education (Ref. 41FR15331-4/13/76) (CFDA 13.427)

PENN STATE intercom

Volume 5, Number 33 May 13, 1976

An internet communicetions medium for the acedemic community of The Pennsylvenie State University published weekly during the four terms of the clees schedule

Commencement schedule

Commencement exercises for the University will be held on the following schedule:

Friday, May 21:

Hazleton Campus, 7:30 p.m. on campus. Merle E. **Campbell,** assistant vice president for student affairs, speaker. Seventy-seven degree candidates.

Saturday, May 22:

College of Medicine, The Milton S. Hershey Medical Center, 10 a.m. in Founders Hall of The Milton S. Hershey School. Speaker will be Dr. John A. D. **Cooper,** president of the Association of American Medical Colleges. Seventy-seven candidates for medical degrees and seven for graduate degrees.

Sunday, May 23:

Behrend College, 2 p.m. in Erie Hall. Dr. Russell E. **Larson,** provost of the University, speaker. One hundred degree candidates.

Schuylkill Campus, 2 p.m. in the Field House. Marc L. **Guttenplan,** president of the Schuylkill Campus Faculty Organization, speaker. Fifty-one degree candidates.

Thursday, May 27:

Ogontz Campus, 8 p.m. in Physical Education Bldg. Barbara Hackman **Franklin,** commissioner of the U.S. Consumer Product Safety Commission, speaker. Seventy-five degree candidates.

Friday, May 28:

Dutlois Campus, 2 p.m. in the Multi-Purpose Bldg. Speaker will be Samuel A. King, associate professor of history. One hundred and ten degree candidates.

York Campus, 8 p.m. in the new wing. Dr. Ray **Miller,** president of York College of Pennsylvania, speaker. Approximately 60 degree candidates.

Saturday, May 29:

McKeesport Campus, 10 a.m., Buck Union Bldg. Maurice L. Symington, president of the McKeesport Campus Advisory Board, speaker. Approximately 30 degree candidates.

Altoona Campus, 10:30 a.m., Adler Gymnasium. Speaker will be Dr. Norman A. Graebner, distinguished visiting professor of history at the University. One hundred and seventy-six graduates.

Berks Campus, 10:30 a.m., Library Bldg. Dr. Doris M. Seward, executive assistant to the President of the University, speaker. One hundred degree candidates.

Fayette Campus, 10:30 a.m. on campus. A student honor speaker. One hundred end twenty degree candidetes.

Mont Alto Campus, 10:30 a.m. outdoors on campus. Capt. Leonard S. **Baker,** director of the National Geodetic Survey, speaker. One hundred and two degree candidates.

University Park Campus, 10:30 a.m. in Beaver Stadium. Speaker will be Sarah Caldwell, artistic director of the Opera Company of Boston. A total of 5,043 degree candidates, including 15 for associate degrees, 4,355 for baccalaureate degrees, 534 for masters' degrees and 139 for doctorates.

Delaware County Campus, 11 a.m. in the Main Bldg. Dr. Robert G. Oulen, dean of academic instruction for Commonwealth Campuses, speaker. Eighty-five degree candidates.

Wilkes-Barre Campus, 2 p.m. outdoors on campus. Luzerne County Court of Common Pleas Judge Peter Paul Olszewski, speaker. One hundred and fourteen degree candidates.

Worthington Scranton Campus, 2 p.m. on campus. Speaker will be Father William J. Byron, president of the University of Scranton. Ninety-seven degree candidates.

Sunday, May 30:

Beaver Campus, 2 p.m. in the Gymnasium. Charles L. Sewall, president of Robert Morris College, speaker. Seventy degree candidates.

New Kensington Campus, 2 p.m. in the Little Theatre. Dr. Robert J. Scannell, dean of the College of Health, Physical Education and Recreation, speaker. Sixty-eight degree candidates.

Shenango Valley Campus, 2 p.m. on campus. Speaker will be Sharon Mayor Harold E. Bell. Ninety-one degree candidetes.

Saturday, June 12:

Capitol Campus, 2 p.m. In the Hershey Community Theatre. Jerrold L. Schecter, diplomatic editor for "Time," speaker. A total of 525 degree candidates, including 470 baccalaureate degrees and 55 masters' degrees.

Allentown Campus and **King of Prussia Graduate Center,** no commencement.

Chinese ambassador to speak

James **Shen,** embassador of the Republic of China to the United States, will visit Penn State on Monday end Tuesday, May 17 and 18.



Ambassador Shen

His visit will include the presentation of a public lecture, scheduled for 8 p.m. Monday, May 17, in the Kern Auditorium.

A reception by the Chinese Student Assn. will be held in the International Student Lounge, Kern Graduate Bldg., following the lecture.

Born in Shanghai, Ambassador Shen received his B.A. from Yenching University, Peiping, in 1932. His M.A. was conferred three years later by the University of Missouri.

Ambassador Shen, who also has hed a distinguished career as a journalist, was appointed in 1971 es Ambassador to the United States, following a long period of service with his government. He had been embassador to Australia from 1966 to 1968 and from 1968 to 1971, vice-minister of foreign affairs. He served from 1956 to 1959 as secretary to the President of the Republic of China at Taipei and from 1959 to 1961 as director of the Information Department, Ministry of Foreign Affairs, also at Telpei.

With the Ministry of Information, he was chief of the editorial section in Chungking and director of the Pacific Coast Bureau in San Francisco from 1943 to 1947. He also had served as director of the International Department of the Government Information Office from 1961 to 1966 and in 1947-48 was director of the International Department of the Government Information Office.

Perez gets Donkin Award



Dr. Oswald congratulates Prof. Perez

News briefs

Baker Lecture at Hershey

The second annual Michael and Myrtle Baker Lecture in Orthopaedic Surgery will be delivered at 4 p.m. Thursday, May 20, at The Milton S. Hershey Medical Center. The speaker will be Dr. Henry J. Menkin, professor of orthopaedic surgery at Harvard Medical School and chairman of the department at the Massachusetts General Hosplta! in Boston. His topic will be "What Good Are In-Training Exams, Anyway?" The lectureship, established in 1974, was made possible by a gift from Mr. and Mrs. Baker of Beaver, Pa. Mr. Baker is a former president of the Board of Trustees, an internationally prominent consulting engineer and chairman of the board and chief executive officer of Michael Baker Corp.

Summer calendar items due

A summer term calendar will be published in the June 10 issue of INTERCOM. Items for it should be sent to the Calendar Editor, 312 Old Main, by Friday, May 28.

Inn food service to shut May 31

No food service will be available at the Nittany Lion Inn on Memorial Dey, Monday, May 31. It will resume on Tuesday, June 1.

Decals installed

Decals designed to assist faculty members who mey encounter problems with classroom errangements ere being installed by Office of Physical Plant personnel in scheduled classroom and laboratories in University buildings. Their purpose is to inform faculty members who may encounter maintenance problems while assigned the use of a room where to call for assistance. The decals also list the number to cell should a classroom or laboratory door be locked. The telephone numbers are those of the Scheduling Office and the Service Desk of the Office of Physical Plant. The Service Desk is to be called only If the Scheduling Office cannot be reached.

The action to place the decals stems from a recommendation made last year by University Council.

New numbers for York

New telephone numbers, effective May 1, have been listed for York Campus.

Information	771-4586
Admissions	771-4317
Bookstore	771-4373
Business Manager	771-4550
Campus Director	771-4315
Computer Laboratory	771-4308
Continuing Education	771-4321

(Continued on page six)

Stone Valley planning, Borough Council duties cited by committee

Lawrence J. Perez of State College, who retired in 1970 from the faculty and staff of the University, has been chosen to receive the 1976 McKay Donkin Award.

The $500 award is given annually to the faculty or staff member, including retired personnel, who has "contributed most to the economic, physical, mental or social welfare of the University faculty."

It was established with contributions made by the family and friends of the late McKay Donkin, who prior to his death in 1968 had served for more than ten years as vice president for finance and treasurer of the University.

The award recognizes the extensive planning and work done by Mr. Perez in the development of the Stone Valley Recreation Area, now widely used by faculty and students of the University as well as others throughout the Central Pennsylvania area.

"His professional expertise and his devotion to the idea, even in the face of doubters, were largely responsible for the existence of the lake," the nomination committee pointed out in their recommendation to President Oswald.

The committee also cited the work done by Mr. Perez for the Borough of State College which directly and indirectly affected faculty members: "As president of Borough Council for fourteen years, he worked diligently to blend the interests of the University and the interests of the community to achieve a well-balanced fulfillment of goals. His leadership in working out traffic flow patterns for various University and town activities has benefited us all."

Mr. Perez joined the civil engineering faculty at the Universlty in 1945. He was named assistant dean of the College of Engineering in 1956, continuing both as assistant dean and professor of civil engineering until his retirement with emeritus rank six years ago.

Senate approves policy on majors

The University Faculty Senate has approved e policy for multiple major programs for undergraduate students.

The policy, adopted at the May 4 Senate meeting, defines a multiple major program as a program of two or more majors which combine two or more distinct fields of study leading to the same baccalaureate degree.

Under the new policy, candidates satisfactorily completing multiple major programs will receive one diplome. It will be for the major last designated by the student no later than the term before graduation. The final academic record will indicate the completion of the requirements for additional majors.

Nominations for 1976-77 Senate officers and committee memberships were made. Ballots are to be returned by May 27, with results to be announced at the June 1 meeting. Much of the meeting was devoted to informational reports from various Senate committees. Included were reports from the Senate Committee on Plenning Development on "Trends and Current Status Information on the University's Budget" and "Enrollment Prospects."

PENN STATE COLLECTION

Official University Calendar

1976

1977

Winter Term 1977

Arrival Date	Sunday, Nov. 28
Orientation & Advising	Monday, Nov 29
Registration	Tuesday-Wednesday, Nov 30- Dec. 1
Classes Begin 8:00 a.m.	Thursday, Dec. 2
Winter Term (Christmas-New Year) Recess Begins 9:55 p.m. (Continues thru Sunday, Jan. 2, 1977)	Wednesday, Dec 22
Winter Term Classes Resume 8:00 a.m.	Monday, Jan. 3
Classes End 12:25 p.m.	Saturday, Feb 19
Final Exams	Monday- Thursday, Feb 21-24
Commencement	Saturday, Mar 5

Spring Term 1977

Arrival Date	Sunday, Mar. 6
Orientation & Advising	Monday, Mar. 7
Registration	Tuesday-Wednesday, Mar 8-9
Classes Begin 8:00 a.m.	Thursday, Mar 10
Classes End 9:55 p.m.	Wednesday, May 18
Final Exams	Thursday-Saturday, Monday, May 19-21, 23
Commencement	Saturday, May 28

Summer Term 1977

Arrival Date	Sunday, June 5
Orientation & Advising	Monday, June 6
Registration	Tuesday, June 7
Classes Begin 8:00 a.m.	Wednesday, June 8
***Independence Day Holiday — No Classes**	Monday, July 4
Classes End 9:55 p.m.	Wednesday, Aug 17
Final Exams	Thursday-Saturday, Aug 18-20
Commencement	Saturday, Aug 27

*Classes that would have met on Monday, July 4, 1977 will meet on Wednesday, August 17, 1977.

Fall Term 1976

Arrival Date	Tuesday, Aug 31
Orientation & Advising	Wednesday- Friday, Sept. 1-3
Registration	Wednesday (noon)-Friday, Sept 1-3
Labor Day Holiday — No Classes	Monday, Sept 6
Classes Begin 8:00 a.m.	Tuesday, Sept 7
Classes End 9:55 p.m.	Monday, Nov 15
Final Exams	Tuesday- Saturday (noon), Nov 16-20
Thanksgiving	Thursday, Nov 25
Commencement	Saturday, Nov. 27

Fall Term 1977

Arrival Date	Tuesday, Aug 30
Orientation & Advising	Wednesday- Friday, Aug 31- Sept 2
Registration	Wednesday (noon)-Friday, Aug 31-Sept 2
Labor Day Holiday No Classes	Monday, Sept. 5
Classes Begin 8:00 a.m	Tuesday, Sept. 6
Classes End 9:55 p.m.	Monday, Nov 14
Final Exams	Tuesday- Saturday (noon), Nov 15-19
Thanksgiving	Thursday, Nov 24
Commencement	Saturday, Nov 26

1978

Winter Term 1978

Arrival Date	Sunday, Nov. 27
Orientation & Advising	Monday, Nov 28
Registration	Tuesday-Wednesday, Nov. 29-30
Claeses Begin 8:00 e.m.	Thursday, Dec. 1
Winter Term (Christmas-New Year) Recees Begins 9:55 p.m. (continues thru Tuesday, Jan. 3, 1978)	Tuesday, Dec. 20
Winter Term Classes Resume 8:00 a.m.	Wednesday, Jan 4
Classes End 9:55 p.m.	Wednesday, Feb.22
Final Exams	Thursday-Saturday, Monday, Feb. 23-25, 27
Commencement	Saturday, Mar 4

Spring Term 1978

Arrival Date	Sunday, Mar. 5
Orientation & Advising	Monday, Mar. 6
Registration	Tuesday-Wednesday, Mar 7-8
Clesses Begin 8:00 a.m.	Thursday, Mar. 9
Classes End 9:55 p.m.	Wednesday, May 17
Final Exams	Thursday-Saturday, Monday, May 18-20, 22
Commencement	Saturday, May 27

Summer Term 1978

Arrival Date	Wednesday, June 7
Orientation & Advising	Thursday, June 8
Registration	Friday, June 9
Clesses Begin 8:00 a.m.	Monday, June 12
***Independence Dey Holiday — No Classes**	Tuesday, July 4
Classes End 9.55 p.m.	Monday, Aug 21
Final Exams	Tuesday- Thursday, Aug 22-24
Commencement	Sunday, Aug 27

*Classes that would have met on Tuesday, July 4, 1978 will meet on Monday, Aug 21, 1978.

Fall Term 1978

Arrival Date	Tuesday, Aug 29
Orientation & Advising	Wednesday- Friday Aug 30- Sept. 1
Registration	Wednesday (noon)-Friday, Aug 30-Sept 1
Labor Day Holiday — No Classes	Monday, Sept 4
Cleese Begin 8:00 a.m.	Tuesday, Sept. 5
Clesses End 9:55 p.m.	Monday, Nov 13
Final Exams	Tuesday- Saturday (noon), Nov 14-18
Thanksgiving	Thursday, Nov 23
Commencement	Sunday, Nov. 26

1979

Winter Term 1979

Arrival Date	Sunday, Nov. 2
Orientation & Advising	Monday, Nov. 2
Registration	Tuesday-Wednesday, No 28-29
Classes Begin 8:00 a.m.	Thursday, Nov. 30
Winter Term (Christmas-New Yeer) Recess begins 9:55 p.m. (continues thru Tuesday, Jan. 2, 1979)	Tuesday, Dec
Winter Term Classes Resume 8:00 a.m.	Wednesday, Ja
Classes End 9:55 p.m.	Wednesday, Fe
Final Exams	Thursday-Saturday, Mond Feb. 22-24, 26
Commencement	Saturday, Mar

Spring Term 1979

Arrival Date	Sunday, Mar. 4
Orientation & Advising	Monday, Mar 5
Registration	Tuesday-Wednesday, Ma 6-7
Clesses Begin 8:00 a.m.	Thursday, Mar 8
Classes End 9:55 p.m.	Wednesday, M 16
Final Exems	Thursday-Saturday, Mond May 17-19, 21
Commencement	Saturday, May 2

Summer Term 1979

Arrivel Dete	Sunday, June 3
Orientetion & Advising	Monday, June 4
Registration	Tuesday, June 5
Clesses Begin 8:00 a.m.	Wednesday, Jun
***Independence Day Holiday — No Classes**	Wednesday, Jul
Classes End 9:55 p.m.	Wednesday, Aug
Final Exems	Thursday-Saturday, Aug 16-18
Commencement	Saturday, Aug 2

*Classes that would have met on Wednesd July 4, 1979 will meet on Wednesday, Aug 15, 1979

Fall Term 1979

Arrivel Dete	Tuesday, Aug 2
Orientetion & Advising	Wednesday-Fri Aug 29-31
Registration	Wednesday (no Friday, Aug 29
Labor Day Holiday — No Clesees	Monday, Sept
Clesses Begin 8:00 a.m.	Tuesday, Sept
Clessas End 9:55 p.m.	Monday, Nov
Final Exems	Tuesday- Sat (noon), Nov 1
Thanksgiving	Thursday, Nov
Commencement	Sunday, Nov 2

1976-1983

1980

Winter Term 1980

Arrival Date	Sunday, Nov. 25
Orientation & Advising	Monday, Nov. 26
Registration	Tuesday-Wednesday, Nov 27-28
Classes Begin 8:00 a.m.	Thursday, Nov. 29
Winter Term (Christmas-New Year) Recess begine 9:55 p.m. (continues thru Wednesday, Jan. 2, 1980)	Wednesday, Dec 19
Winter Term Classes Resume 8:00 a.m.	Thursday, Jan. 3
Classes End 9:55 p.m.	Wednesday, Feb. 20
Final Exams	Thursday-Saturday, Monday, Feb 21-23, 25
Commencement	Saturday, Mar. 1

Spring Term 1980

Arrival Date	Tuesday, Mar. 4
Orientation & Advising	Wednesday, Mar 5
Registration	Thursday- Friday, Mar. 6-7
Classes Begin 8:00 a.m.	Monday, Mar 10
Classes End 12:25 p.m.	Saturday, May 17
Final Exams	Monday- Thursday, May 19-22
Commencement	Saturday, May 31

Summer Term 1980

Arrival Date	Sunday, June 8
Orientation & Advising	Monday, June 9
Registration	Tuesday, June 10
Classes Begin 8:00 a.m.	Wednesday, June 11
Independence Day Holiday — No Classes	Friday, July 4
Classes End 9:55 p.m.	Wednesday, Aug.20
Final Exams	Thursday-Saturday, Aug. 21-23
Commencement	Saturday, Aug. 30

Classes that would have met on Friday, July 4, 1980 will meet on Wednesday, Aug 20, 1980.

Fall Term 1980

Arrival Date	Tuesday, Sept. 2
Orientation & Advising	Wednesday- Friday, Sept 3-5
Registration	Wednesday (noon)-Friday, Sept. 3-5
Classes Begin 8:00 a.m.	Monday, Sept 8
Classes End 12:25 p.m.	Saturday, Nov. 15
Final Exams	Monday- Friday (noon), Nov. 17-21
Thanksgiving	Thursday, Nov. 27
Commencement	Saturday, Nov 29

1981

Winter Term 1981

Arrivel Date	Sunday, Nov. 30
Orientation & Advising	Monday, Dec. 1
Registration	Tuesday-Wednesday, Dec. 2-3
Classes Begin 8:00 a.m.	Thursday, Dec. 4
Winter Term (Christmas-New Year) Recess begine 12:25 p.m. (continues thru Sunday, Jan. 4 1981)	Saturday, Dec. 20
Winter Term Classes Resume 8:00 e.m.	Monday, Jan. 5
Classes End 9:55 p.m.	Thursday, Feb. 26
Final Exams	Friday- Saturday, Monday- Tuesday, Feb. 27-28, Mar 2-3
Commencement	Sunday, Mar 8

Spring Term 1981

Arrivel Date	Sunday, Mar. 8
Orientation & Advising	Monday, Mar. 9
Registration	Tuesday-Wednesday, Mar. 10-11
Classes Begin 8:00 a.m.	Thursday, Mar 12
Classes End 9:55 p.m.	Wednesday, May 20
Final Exams	Thursday-Saturday, Monday, May 21-23, 25
Commencement	Saturday, May 30

Summer Term 1981

Arrivel Date	Sunday, June 7
Orientation & Advising	Monday, June 8
Registration	Tuesday, June 9
Classes Begin 8:00 a.m.	Wednesday, June 10
***Independence Day Holiday — No Classes**	Saturday, July 4
Classes End 9:55 p.m.	Wednesday, Aug 19
Final Exame	Thursday-Saturday, Aug. 20-22
Commencement	Saturday, Aug 29

*Classes that would have met on Saturday, July 4, 1981 will meet on Wednesday, Aug 19, 1981

Fall Term 1981

Arrivel Dete	Tuesday, Sept. 1
Orientation & Advising	Wednesday- Friday, Sept 2-4
Registration	Wednesday (noon)-Friday, Sept. 2-4
Labor Dey Holiday — No Classes	Monday, Sept 7
Claseen Begin 8:00 a.m.	Tuesday, Sept 8
Cleeses End 9:55 p.m.	Monday, Nov 16
Finel Exames	Tuesday- Saturday (noon), Nov. 17-21
Thanksgiving	Thursday, Nov 26
Commencement	Saturday, Nov. 28

1982

Winter Term 1982

Arrivel Dete	Sunday, Nov. 29
Orientetion & Advieing	Monday, Nov. 30
Registretion	Tuesday-Wednesday, Dec. 1-2
Cleeses Begin 8:00 e.m.	Thursday, Dec. 3
Winter Term (Chrietmas-New Year) Recese begins 12:25 p.m. (continues thru Sunday, Jen. 3, 1982)	Saturday, Dec 19
Winter Term Cleeses Reeume 8:00 e.m.	Monday, Jan. 4
Clases End 9:55 p.m.	Wednesday, Feb 24
Finel Exams	Thursday-Saturday, Monday, Feb. 25-27, Mar. 1
Commencement	Saturday, Mar. 6

Spring Term 1982

Arrivel Dete	Sunday, Mar. 7
Drientetion & Advieing	Monday, Mar. 8
Registretion	Tuesday-Wednesday, Mar. 9-10
Cleeses Begin 8:00 e.m.	Thursday, Mar 11
Cleeses End 12:25 p.m.	Wednesday, May 19
Finel Exames	Thursday-Saturday, Monday, May 20-22, 24
Commencement	Saturday, May 29

Summer Term 1982

Arrivel Date	Sunday, June 6
Drientetion & Advieing	Monday, June 7
Registretion	Tuesday, June 8
Clesses Begin 8:00 e.m.	Wednesday, June 9
***Independence Dey Holidey — No Clesses**	Monday, July 5
Clesses End 9:55 p.m.	Wednesday, Aug 18
Finel Exams	Thursday- Saturday, Aug. 19-21
Commencement	Saturday, Aug 28

*Classes that would have met on Monday, July 5, 1982 will meet on Wednesday, Aug 18, 1982.

Fall Term 1982

Arrivel Dete	Tuesday, Aug 31
Orientation & Advieing	Wednesday- Friday, Sept 1-3
Registration	Wednesday (noon)-Friday, Sept 1-3
Labor Dey Holidey — No Clesses	Monday, Sept. 6
Clesees Begin 8:00 a.m.	Tuesday, Sept. 7
Cleeees End 9:55 p.m.	Monday, Nov. 15
Finel Exame	Tuesday- Saturday (noon), Nov 16-20
Thenksgiving	Thursday, Nov. 25
Commencement	Saturday, Nov 27

1983

Winter Term 1983

Arrivel Dete	Sunday, Nov. 28
Orientation & Advieing	Monday, Nov. 29
Registretion	Tuesday-Wednesday, Nov 30- Dec. 1
Cleeese Begin 8:00 e.m.	Thursday, Dec. 2
Winter Term (Chrietmes-New Year) Recees begine 9:55 p.m. (continues thru Sunday, Jen. 2, 1983)	Tuesday, Dec. 21
Winter Term Cleeese Reeume 8:00 e.m.	Monday, Jen. 3
Clesees End 12:25 p.m.	Monday, Feb. 21
Finel Exeme	Tuesday- Fnday, Feb 22-25
Commencement	Saturday, Mar. 5

Spring Term 1983

Arrivel Dete	Sunday, Mar 6
Orientation & Advieing	Monday, Mar. 7
Registretion	Tuesday-Wednesday, Mar. 8-9
Cleeeee Begin 8:00 e.m.	Thursday, Mar. 10
Cleeeee End 12:25 p.m.	Wednesday, May 18
Finel Exeme	Thursday-Saturday, Monday, May 19-21, 23
Commencement	Saturday, Mey 28

Summer Term 1983

Arrivel Dete	Sunday, June 5
Orientetion & Advieing	Monday, June 6
Registretion	Tuesday, June 7
Clesees Begin 8:00 e.m.	Wednesday, June 8
***Independence Dey Holidey — No Clesses**	Monday, July 4
Clesees End 9:55 p.m.	Wednesday, Aug 17
Finel Exems	Thursday-Saturday, Aug. 18-20
Commencement	Saturday, Aug 27

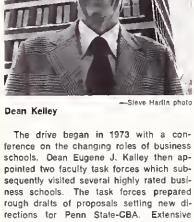
*Classes that would have met on Monday, July 4, 1983 will meet on Wednesday, Aug. 17, 1983.

Bus. Ad. launches drive for top ranking

Trees and shrubs in hand, campus landsceping crews have converged on the College of Business Administration to beautify the grounds around the building for its formal dedication June 5. While their cosmetic touches will certeinly enhence the occesion, they also should not obscure the fect that CBA is more then just a pretty face.

CBA has 80 full-time feculty members ot University Park. Last fell, 3,265 undergreduate business students enrolled in thair classes — 7 percent more then in 1974 and 25 percent more than in 1970. There were also some 270 graduate studants in the College, end about seven quelified epplicants bidding for each of the 100 places in the MBA progrem.

Herd times may be in store for higher educetion in general, but the College is optimistic about its future. It has just emerged from three yeers of intensive self-study, and the result is e strategy which it believes will make CBA, both in fact and reputation, one of the top 15 management schools in the country.



Dean Kelley —Steve Hardin photo

The drive began in 1973 with a conference on the changing roles of business schools. Dean Eugene J. Kelley then appointed two faculty task forces which subsequently visited several highly rated business schools. The task forces prepared rough drafts of proposals setting new directions for Penn State-CBA. Extensive hearings were held with the faculty in the College to refine the proposals, the task forces making a special effort to give younger faculty a voice. Geat care was also exercised to protect confidentiality — even to setting up a drop box for anonymous ideas. By the end of the process, a fair degee of unanimity had emerged.

One task force on external relations was led by William L. Ferrera, professor of accounting and Price Waterhouse Faculty Fellow. J. D. Hammond, professor of business administration, led a second on organization.

"We knew we couldn't move forward on ell the programs which had been suggested," Dean Kelley says, "because it was just too expensive. We had to concentrate on a reasonable number of goals."

Those finally selected include:

- **Providing the best possible Master of Business Administration program**

"The MBA is e business college's flagship program in terms of quality. Along with executive education, that's where distinction is echieved," according to Dr. Stewart W. Bither, MBA program director for the College. "Many leading business schools — Stanford, Harvard, Carnegie-Mellon and Northwestern emong them — don't even offer undergreduate business degrees."

Because programmatic excellence is based on getting the best available students, CBA actively recruits good candidates. An alumni committee of 18 persons located in the major cities of the northeast has been set up to contact and personally interview students who score top merks on the Graduate Management Examination. The College is also working hard at placing its students and tracking their careers.

Each student in last year's graduating class received two-plus job offers on average, and starting saleries averaged $15,200 — which helps account lor the fact that the MBA is the tastest growing professional degree in the country.

- **Expanding executive education programs**

"Pennsylvenia's business community does not now look first to CBA for man-egerial leadership or expertise. Yet it could, and from Penn State's viewpoint, it should," Dean Kelley comments.

"Feculty involvement has been relatively low in executive development programs, even though it is greetly to our edvantage to deal with executives in our fields of specialization. It keeps us ebreast of current practice and opens up evenues for potential research — and research funding. At the same time, we show the business community that we have talented faculty and students who can contribute to their organizations.

Translating these sentiments into action means replacing faculty from other schools with Penn State instructors in the summer resident Executive Management Program (EMP), now in its 19th year. It also means setting up 20 new executive education programs in 1976, extending the EMP concept to incorporate non-resident training sessions and developing an Executive Seminar series hosted by the Commonwealth Campuses.

- **Maintaining excellence in undergraduate instruction**

With more and more students turning toward professionally oriented majors, CBA has been deluged by undergraduate enrollments, making quelity control a genuine concern. New teaching techniques are being tried with the help of course improvement grants from the Office of the Vice President for Undergraduate Studies and from CBA alumni. A full-time instructional services specialist has been hired to help faculty deliver more etfective lectures and class presentations.

The College has also considered placing limits on undergraduate enrollments, a step it hopes can be avoided in view of Penn State's land-grant commitment.

"I reject the contention that land-grant concepts only mean large numbers of undergraduates and are inconsistent with quality education," Dean Kelley comments. "Excellence rather than mediocrity is more efficient and effective for learning by students at land-grant universities. But the problem of overcrowding is not likely to go away. Personally, I do not see any decline in demand for undergraduate or graduate admissions to Penn State-CBA in the next several years. All the leading business schools at land-grant universities without exception are experiencing an increase in admissions."

- **Improving external relations**

"The State will keep us in existence," says Donald C. Hambrick, CBA's first director of external relations. "But to achieve excellence, we need to seek support from the business community and from alumni with resources who have never been asked to help before. It's a 'quid pro quo' relationship. We initiate activities of benefit to alumni and corporation executives in return for their interest end involvement in CBA educational programs, student placement or research projects. Our programs will be substantive, not just public relations and mailings. They must also be cost-effective, with low start-up costs."

Among the activities already begun are an alumni tracing program to compile up-to-date addresses and professional information for the College's 18,000 alumni. An alumni renewal program on financial accounting is being offered at three Commonwealth Campuses, plus e two-dey general management conference for alumni in conjunction with the CBA building dedication. Other on-going projects include an alumni newsletter, an on-campus speaker-visitor clearing house and the development of a "portfolio of opportunities" (course improvement projects, learning resource center materials and alumni educational programs, for example) in which contributors can invest.

- **Beefing up the research program**

CBA's research program took off late in the 1960s. In 1966-67, the annual report on faculty publications showed 33; in the last five years, there have been 465.

"CBA is putting particular emphasis on opening up joint research efforts with other Colleges in the University," notes Dr. Paul H. Rigby, assistant dean for research. "Some of the information needed is old hat for our faculty but totally new for non-business areas. For example, we heve cooperated with Arts and Architecture to sponsor a conference on training people in arts management. This is an area with a need for administrative competence. We ere also working with Hershey to prepare an initiative in health care management. These are eforts to close the communications gap between those who know the technology and those who know how to organize it."

- **Internal reorganization to bolster programmatic strength**

"No professional college of business or management has achieved excellence by concentrating solely on departmental programs. What is needed is a programmatic orientation." Dean Kelley says.

The faculty task force on organization agreed, recommending that individual faculty directors be named to chair faculty advisory committees for the undergraduate, MBA and Ph.D./M.S. programs. They will concern themselves primarily with broad academic and policy considerations which cut across conventional department boundaries.

Program directors and department heads will serve three- to five-year terms, which may be renewed once, since CBA is determined to maintain a collegial approach with strong faculty leadership.

"I believe that we already have the faculty in place to take us to our goals," Dean Kelley says. "We are developing, particularly in the area of attempting to realize our research potential. As a professional school, however, our tests of faculty excellence are not necessarily the same as those in other colleges of the University. We place more emphasis on teaching ellectiveness, applied problem solving abilities and the relationship with the managerial world outside. Many of our present efforts have been consciously developed to utilize our faculty's potential most effectively. None of these plans would be achievable without our being eble to retain and add to a quality faculty."

And Dean Kelley concludes:

"CBA's distinction is functional to Penn State as a whole. As the demand for university services declines, clients will turn to those institutions which provide higher levels of excellence. I think distinction can come without exceeding by an unreasonable margin the expenditures necessary to attain across-the-board mediocrity. If selective excellence costs only a little more, then why not excellence and Penn State leadership?"

The company to keep —

How deans rank the academic quality of the top 15 graduate business schools

1. Stanford	6. Wharton	11. Purdue
2. Chicago	7. Tuck	12. Northwestern
3. Sloan	8. UCLA	13. Cornell
4. Harvard	9. Columbia	14. Michigan
5. Carnegie	10. Berkeley	15. Indiana

Elsewhere in academe

According to e nationwide survey conducted for the National Science Foundation, 75 percent of those interviewed said they thought science and technology had changed life for the better — 5 percent more than held this opinion two years ago. Only 5 percent polled said science had changed things for the worse — down from 8 percent in the earlier survey. Among 10 professions, scientists ranked second in "prestige or general standing." Physicians were first. Others, in descending order, were engineer, architect, minister, lawyer, banker, accountant, businessman and U.S. Representative.

The gap between the proportions of blacks and whites completing college was larger in 1974 than it was in 1960, according to newly released Bureau of the Census data. Although the percentage of blacks doubled, from 4.1 to 8.1 percent, the percentage of white students completing college grew from 11.9 to 21 percent. Despite earlier fears, black students do not seem to be ebandoning black colleges. Enrollments at these institutions, excluding private two-year schools, is growing significantly faster than the national rete. Between 1974 and 1975, the Institute for Services to Education found, total enrollment at the 88 four-year black colleges increased by 11.4 percent, almost double the 6 percent rate for all four-year schools.

Embattled President John R. Silber of Boston University received a vote of confidence from the school's trustees meeting to consider his tenure efter several faculty groups and 10 of the university's 15 academic deans requested his resignation. The trustees also voted to reorganize the governance of the university, with linal details to be worked out later this month.

Forty-seven percent of the Lehigh University students polled by their student newspaper acknowledged having cheated on a college exam. The newspaper claimed to have polled a scientifically selected sample, representetive of the entire student body.

The chancellor of the five Vermont State Colleges, William G. Craig, has resigned, citing lack of financial support by the state legislature. He also called the lack of coordination of higher education in Vermont "cumbersome and expensive."

Kelley deans' head

Dr. Eugene J. Kelley, dean of the College of Business Administration, has been elected chairman of the Council of Academic Deans at the University.

He succeeds Dr. Donald H. Ford, dean of the College of Human Development, who will serve as take chairman.

Dean Kelley also was recently named to the board ol directors of the American Assembly of Collegiate Schools of Business and serves that accrediting body as chairmen of its governmental relations committee. He joined the University faculty in 1963 as Research Professor of Business Administration efter serving as professor of marketing end associate dean of the Graduate School of Business at New York University. He was named dean of the College of Business Administration in 1973.

He also participated in the 1974 White House Summit Conference on Inflation, and the Business and Industry Conference on Inflation at President Gerold Ford's request. Dean Kelley was also nemed recently to the National Advisory Council of the Small Business Administration and continues to serve as en edvisor to the General Accounting Office.

He has served as edtor of the "Journal of Marketing" and the Foundations of Marketing Series.

Faculty notes

Dr. Gerard J. Brault, professor of French, will be awarded the degree of Doctor of Letters Saturday, May 15, at commencement exercises at Assumption College in Worcester, Mass. The honorary degree will be bestowed by his alme mater "in recognition of scholarly achievements as e professor of French and es e distinguished medievalist."

Prof. Brault received his B.A. degree from Assumption in 1950. He later obteined his M.A. degree in French from Leval University in Quebec and his Ph.D. in Romance languages from the Universily of Pennsylvanie. Author of four books and some 70 profeslional articles, he recently completed e two-volume edition of the "Song of Roland." He was e Fulbright Fellow to France in 1956, and e Guggenheim Fellow and Fulbright Research Scholar to the same country in 1968. He was awerded the Palmes Academiques by the French Ministry of Educelion in 1965 and promoted to the renk of officer in that order in 1975. He was elected e life-member of the Academie Internationale d'Heraldique in 1972, a Fellow of the Society of Antiquaries of London in 1972, and a Fellow of the Mediaeval Academy of Americe in 1976.

Dr. John J. Cahir, associate professor of meteorology, is serving on a Nationel Academy of Sciences-Nationel Research Council review panel appointed to evaluate the research progrems of the National Environmental Satellite Service (NESS). The review is part of an overall assessment being made of the research activities of the Nalional Oceenic and Atmospheric Administration of which NESS is a branch.

Dr. Jon P. Nelson, associate professor of economics, has been appointed to the National Academy of Sciences' Committee on Appreisal of Societal Consequences of Transportation Noise Abatement of the Assembly of Behavioral and Social Sciences. Dr. Nelson, a research associate with the Institute for Research on Human Resources, Is the author of e recent report on the effects of mobile-source air and noise pollution on residentiel properly values.

Dr. John F. Houlihan and **Dr. David P. Madacsi,** assistent professors of physlcs el Shenango Valley, presented papers at the April meeting of the American Physical Society in Atlenta, Ga. Dr. Houlihan's topic was "Crystal Field Splitting in $Ti_{1-x}O_x$ via EPR Spectroscopy," co-authored with Dr. Madecsi and Dr. L. N. Mulay, professor of solid state science at University Park. Dr. Madacsi presented the paper, "Unpeired-Spin Delocalization for nd¹ Impurity Cations in Tetragonal CrO_{2-x}" co-authored with M. Stapelbroek and O. R. Gilliem of the University of Connecticut. He also co-authored a second paper, "Paramagnetic Centers in Reactor-Irradiated Single Crystals of Tetragonel CrO_{2-x}" with the same authors.

Owen H. Seuerlender, professor of economics and assistant director of the Institute for Research on Land and Water Resources, will participele in an Internationel and Cross-Cultural Seminar on Education and Community Development in India from June to August. He will be part of e 21-member team sponsored by North Caroline State University. The seminar will be held at Tamil Nadu Agricultural University in South India, and the group will elso travel throughout the sub-continent.

Dr. Arthur O. Lewis, associate deen of the College of the Liberal Arts and professor of English, is guest editor of the spring issue of "The Journel of General Education," published by Penn State's Press. The issue includes nine of the papers presented at the Annual Conference of the Science Fiction Research Association held at Penn State in September, 1973.

Dr. Marshall H. Kaplan, essoclete professor of aerospace engineering, spoke et e workshop on Outlook for Spece Power at Princeton University May 6-8. This workshop was sponsored by the Technicel Committee on Electric Power Systems of the American Institute of Aeronautics and Astronautics (AIAA).

Dr. Doris M. Seword, executive assistant to Presidenl Oswald, received the Dislinguished Alumni Service Aword of Indiana University on May 8. The award, according to Indiana's president, Dr. John W. Ryan, provides recognition for outstanding achievements by Indiana Universily men and women in "their chosen fields of endeavor and significant contributions to the benefit of city, state and nation." It was jointly authorized by Indiana's Board of Trustees and the Executive Council of the Alumni Association and conferred for the first time in 1953.

Dr. Seword joined the President's staff in 1970 and holds the title of professor of human development. She had been professor of higher educetion, and dean of student affairs planning at the University of Kentucky, where she had also served as professor of education and dean of women. Earlier, she had taught and served on the administrative staffs of Purdue University and the University of Minnesota, and of Syracuse University, where she received her M.A. and Ph.D. in student personnel work in higher education. Her undergraduate degree al Indiana University was in psychology and philosophy. She is a former nationel treesurer and program cheirman of the Nationel Association of Women Deans and Counselors and a former president of the Southern College Personnel Association.

H. Eugene Goodwin, professor of journelism, has been elected president of the Pallett Prize for Free and Responsible Press. Prof. Goodwin has been a member of lhe board of directors of the fund since It was established in 1965 and served as Its vice president for the past two years. He succeeds Ben H. Bagdikian, the noted media critic.

The Washington-based fund is named for Lowell Mellett, the reporter, editor and columnisl who left $36,000 in Scripps-Howard Investment Co. stock to the American Newspaper Guild to be used to further press responsibility without impairing press freedom.

Prof. Goodwin worked as a reporter and columnist for the Washington "Star" before he came to Penn State in 1957 as director of the School of Journalism, a position he relinquished in 1969 to teach full time. He holds bachelor of arts and master of erts degrees from the University of Iowa

Dr. Joachim F. Wohlwill, professor of man-environment relations and psychology, will join a group of 13 scholars to design a research agenda on American Values and Models of Human Habitation in Washington, D.C., this summer. The project, sponsored by the American Association for the Advancement of Science, is supported by funds from the National Science Foundelion and the Nationel Endowment for lhe Humanities. The project will provide a unique opportunity for professionals from e broad spectrum of disciplines to work together to develop strelegies for interdisciplinary research in the field of habitat and human values.

Dr. Robert Scholten, professor of petroleum geology, gave an invited lecture in a symposium on The Idaho Batholith and Its Tectonic Setting at a meeting of the Cordilleran Section of the Geological Society of America held recently at Washington State University. At the same meeting, **Charles M. Onasch**, e geology graduate student, presented e paper on "Infrastructure - superstructure Relations and Structural Mechenics along the Western Margin of the Idaho Batholith."

Dr. Robert Zells, chief of cardiology and professor of medicine and pharmecology et Hershey, has been appointed to the editorial board of the "Annels of Internal Medicine."

Dr. Peirce F. Lewis, professor of geography, was guest of honor at the April 22 annual banquet of the Geographical Society of Philadelphia, where he spoke on "A Geographer Looks al Common Houses."

Dr. Gershon Hepner, assistenl professor of medicine at Hershey, presenled a paper coauthored with **Dr. Elliot S. Vesell,** Hershey's chairman of pharmecology, entitled "Veriability of Hepetic Microsomal Response to Stimulelion and Depression" al the May 2 annual meeting of the Americen Society for Clinicel Investigation in Atlantic City, N.J.

Another view of remedial ed

The question is not whether we are going to have remedial education at Penn State; we have it already. The question is instead the extent and form of commitment we ought to make. We have already made two kinds of curricular commitment: one official and one unofficial. The official commitment is reflected in the existence of courses such as English 11, Math 4, and Math 5, all Identified as remedial. The unofficial commitment consists of the gradual lowering of academic expectations and standards In courses not identified as remedial.

Let me speak for the moment as an instructor in English 1, the normal (nonremedial) English composition course required of most students at the University. Its title is "Composition and Rhetoric," Its description "Organizing and writing clear expository essays" (provisional description). In practice, much of that course is — and has to be — spent on elementary principles of English grammar, synlax, and punctuation. For much of the term, one class day out of three is devoted to teaching such matters as the uses of the comma, subject-verb agreement, complete versus Incomplete sentences, misplaced modifiers. Instructors in the sequential course English 3 continue to spend a substantial part of the term on these matters. As an instructor in English 117, "Technical Writing," I have had to go the same route. The choices when most of the students are unprepared are 1) fail the majority, 2) ignore their tack of proficiency and pass them anyway, 3) try to teach them what they need to know. The first alternative is inhumane and impractical; the second is ultimately dishonest; the third, in these times, is necessary.

This is not news. In other fields also, instruction becomes more and more basic. A recent Faculty Senate report (Special Committee on the Developmental Year, March Senate Agenda, 1976) has documented lhe national decline in students' academic preparation for college as reported by the College Entrance Examination Board, the American College Testing Program, and the National Assessment of Educational Progress. To be sure, I have talked with a few colleagues who deny that their students' decreased preparation has caused a corresponding downturn in the content and standards of their courses—but with only a few. Most faculty members, I think, know what has been happening in their classes, and see it as necessary, under present circumstances, although not desirable.

The question now is whether we should accept more and more unofficial remedialion — defined as remedial instruction in courses not so identified — or whether we should call a halt to this process at some point and insist that the gap between our students' academic preparation and college-level work be bridged by other means. I would like to call e halt right now. I do not believe, in conscience, that lhe courses I teach ought to become any more remedial than they already are if they ere to continue to carry college credit.

However, I also believe that we can lurn our backs on our unprepared students. We can't afford to, nor should we want to. If we are to both protect the integrity of a university degree and serve the needs of the people who come to us, we will have to increase our commitment to official remedlation, remediation through courses identified as such. We will need to seek speciel state or federal funding; some of us may need to retrain ourselves to teach differently. With special funding and some retraining, perhaps we can do this service ellegantly, as we have done other service jobs well, and we need not be ashamed of doing it. We ultimately will need to be ashamed, however, if we permit the downward pressure on our regular curriculum to continue indefinitely. That way nobody wins in the long run; everybody runs further and lurther behind.

Caroline D. Eckhardt
English and Comparative Literature



Dr. Volz

Dr. Carl Volz, professor of electrical engineering and director of electronic services, will retire June 30.

After earning his B.S., M.S. and Ph.D. from Penn State in electrical engineering, he was employed by Union Switch and Signal Co., where he was issued approximately 20 patents on signal systems and devices. He returned to Penn State In 1948 as an Instructor.

He has taught and developed senior and greduate level courses in the areas of, computation, control systems, instrumentation and non-linear analysis and has supervised over 40 M.S. and Ph.D. theses in electrical engineering during his 28 years at Penn State. Since 1970, Dr. Volz has directed the University's Electronic Services division. He is e co-inventor of an implantable, rechergeable, adaptive cardiac pacemaker that has over 30 times greater life between recharges than the pacemakers currently in use.

Dr. Volz received the College of Engineering's Outstanding Faculty Adviser award in 1971 and was named a recipient of the 1974 Excellence-in-Teaching award by the Penn State Engineering Society. He is the euthor of an Instructional text, "The Binory Number System," end is the coauthor of "An Introduction to Electrical Circuit Analysis."

A new textbook, "An Introduction to Old Church Slevic," by **William R. Schmalstieg,** professor and head of the Department of Slavic Languages, has just been published by the Slavica Press. Old Church Slavic is the most ancient attested Slavic language and is as important for the historical study of the Slavic languages as is Latin for the Romance languages. In addition to providing a description of the Old Church Slavic language, the new book supplies much historical information and emphasizes the relationships between the Baltic and Slavic languages. The new grammar also contains appropriate reading selections, including Bible translations, some Old Slovenian texts and several selections from the life of St. Cyril, the missionary who introduced Christianity to the Slavic peoples.

"Annotated Bibliographies of Mineral Deposits in Africa, Asia (Exclusive of the USSR), and Australasia," Volume II of a three-volume work by **Dr. John D. Ridge,** professor emeritus of mineral economics, has just been published by Pergamon Press, Oxford, England. Volume I, "Annotated Bibliographies of Mineral Deposits of the Western Hemisphere," was published in 1972 as Memoir 131 of lhe Geological Society of America. Dr. Ridge, who retired last year after 28 years on the faculty, is now adjunct professor of geology at the University of Florida.

Col. A. J. Grill, professor of Air Force aerospace studies, received The Distinguished Service Medal and The Honorary National Membership Certificate during the National Arnold Air Society Conclave In Philadelphia last month.

Dr. Terry J. Peavler, assistant professor of Spanish end comparative literature, fs the author of an article In the latest Issue of the "Latin American Literery Review" analyzing "Recourse of Method," the most recent novel by Alejo Carpentier, Cuba's leading novelist.

Dr. Karnig O. Mikaelian, assistant professor of physics, will visil the Theory Group al the Stanford Linear Accelerator Center from July 15 to Aug. 15. Dr. Mikaelten, a theoretical physicist, will work with the group on the study of new particles discovered during the past year.

University Park Calendar

May 13–29

Items to be included in this calender should be sent to the Calender Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special events

Thursday, May 13
Commons Videotape, 12 noon, Kern lobby.
Sports: Women's softbell, vs. Ursinus, 3 p.m. Women's lacrosse, vs. Ursinus, 3 p.m.
FSHA 410 dinner, a Tribute to the Cuisine of Don Oulxote, 5:30 p.m., Maple Room. Reservertions: 865-7441.
University Theatre, "Jazz Dance Theatre in Concert," 8 p.m., Pleyhouse Theatre.
Friday, May 14
Sports: Men's track, Penn State Open Invitational.
Folk and Square Dence Roundup, 7:30 p.m., White.
University Theatre, "Jazz Dance Theatre in Concert," 8 p.m., Playhouse Theatre.
Collette Voneda, organ, 8:30 p.m., Music Bldg. recital hall.
GSA Coffeehouse, 8 p.m., Rooms 101, 102 Kern.

Saturday, May 15
University Theatre, "Jazz Dence Theatre in Concert," 8 p.m., Pleyhouse Theatre.
PSU Symphony Orchestra, 8:30 p.m., University Auditorium.

Sunday, May 16
Chapel Service, 11 a.m., Music Bldg. recital hall. The Chapel Choir's Spring Concert.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chepel. "Today Is Men's Day," Rev. Leon B Hall, Easton, Md., special men's day choir.
Shavers Creek Nature Center, Spring Wild Flower and Ecology Welk, 3 p.m., Mineral Industries Bldg., Stone Valley.
Penn State Symphonic Wind Ensemble Pops Concert, 3:30 p.m., Arts Courtyard.

Monday, May 17
Peter Brye, cello, 8:30 p.m., Music Bldg. recital hall.

Tuesday, May 18
Sports: Men's baseball, vs. St. John's, 1:30 p.m.

Films

Thursday-Friday, May 13-14
Commonsplace Theatre, "Day for Night," 7:30 and 9:30 p.m., Room 112 Kern.
Friday, May 14, and Sunday, May 16
Free Shakespeare Ielm, "King Lear" (Paul Scofield, Peter Brook), 6:30 p.m., Room 101 Chembers.

University schedule

Wednesday, May 19
Last day for signing Spring Term Emergency Loans, Room 108 Shields.
Classes end.
Thursday-Saturday, May 18-22
Final Examinations.
Seturday, May 29
Commencement.

Meetings

Monday, May 17
Color Slide Club, 7 p.m., Room 112 Kern.
Dinner.

Exhibits

Museum of Art: Portraits USA, 1776/1976.
Zoller Gallery: End-of-Year Student Exhibition.
Kern Gellery: Bruce Johnson, watercolors, until May 22. First Annual Graduate Commons Sculpture Invitetional.
HUB Gallery: Recent Works by Steven Frost, until May 16. **HUB First Floor:** Retrospective exhibit of work by French architect Auguste Perret. **HUB Main Lounge:** Sulking Everyone, through May.
Chambers Gallery: Undergraduate Student Exhibition, all media.
Patlee Library: Lending Services Lobby drawings by Nell Feather.

Seminars

Thursday, May 13
Meteorology, 4 p.m., Room 26 Mineral Sciences. Fred House, Drexel University, on "Preliminary Results from the Limb Radiance Experiment on Nimbus 6."
Chemistry, 12:45 p.m., Room 333 Whitmore. Mary Good, University of New Orleans, on "Mossbauer and ESCA Studies of Heterogeneous Ruthenium Catalyst Systems."
History, 1:15 p.m., Room 124 Sparks. Dr. George P. Bonis on "The Military Communications of Alexander the Great."
Bioengineering, 1:30 p.m., Room 121 Noll. Dr. W. G. Kubicek, physical medicine and rehabilitation, University of Minnesota Medical School, on "Impedance Cardiography."
Air Pollution Control, 2:20 p.m., Room 145 Fenske. Ching-Ming Shieh, Argonne National Lab., on "Particulate Coagulation and Transport."
Population Research, 2:30 p.m., Room 244 Deike. Dr. Leon F. Bouvier, Population Reference Bureau, Washington, D. C., on "The Role of Nongovernmental Organization In Demographic Research and Population Planning."
Physics, 3:50 p.m., Room 119 Osmond. Dr. H. Ehrenreich, applied physics and engineering, Harvard University, on "Theory of Alloys."
Methematics, 4 p.m., Room 103 McAllister. Nathan Jacobson, Yale University, on "Some Algebraic Results."
Agronomy, 4 p.m., Room 111 Tyson. P. H. Williams on "Uptake of Cd, Zn, and Cu by Corn and Sorghum Herbage Grown on Sewage-Sludge Fertilizer, and Their Accumulation in Meadow Vole Tissues."

Friday, May 14
Geography, 4 p.m., Room 301 Mineral Industries. Dr. Donald W. Melnig, Maxwell Professor of Geography, Syrecuse University, on "The U.S.A. — A Historical Regional Approach."

Monday, May 17
New Communities, Architecture, 2 p.m., Room 322 Sackett. Dr. Leonerd Gordon, Arizona State University, on "Social Issues and Problems in an Arid City."
Genetics, 3:55 p.m., Room 111 Tyson. Lynne Lawton on "Heterozygote Advantage In Maintenance of Lethal Recessive Genes In Human Populations."
Organic Chemistry, 8 p.m., Room 333 Whitmore. Hans Schmitthenner on "Synthesis of DNA Using Organic Chemical Techniques."

Tuesday, May 16
Acoustics and Aerospace Engineering, 3:45 p.m., Room 75 Willard. Neil Molseev, graduate student in acoustics, on "Noise Due to Interaction of Boundary Layer Turbulence with a Propulsor Rotor."

Solid Waste, 2:20 p.m., Room 140 Fenske. Hervey Alter, NCRR, Washington, D. C., on "Resource Recovery in 1985."
Astronomy end Physics, joint colloquium, 3:50 p.m., Room 119 Osmond. William K. Rose, Astronomy, University of Maryland, on "Theory of Pulsers and Compact Z-Ray Sources."

Monday, May 24
Organic Chemistry, 8 p.m., Room 333 Whitmore. P. Chinnasemy on "The Ene Reaction."

Lectures

Thursday, May 13
Dr. Donald W. Melnig, Maxwell Professor of Geography, Syracuse University, on "Spatial Landscapes: Some Ideas and Explorations of American Community," 4 p.m., Room 112 Kern.

Monday, May 17
James Shen, Republic of China Ambassador, 8 p.m., Kern Bldg. auditorium.

Arts roundup

Orchestra concert May 15

The premiere of Symphony No. 3 by Burl Fenner, associate professor of music, will highlight the University Symphony Orchestra concert at 8:30 p.m. Saturday, May 15, in University Auditorium.



Prof. Fenner

The work, e three-movement symphony, was completed in 1975 under a grant from the National Endowment for the Arts. The NEA extended its support to the composition as part of its announced desire to help build an American musical legacy and to encourage the performance of new music.

Mr. Fenner's second symphony was premiered in 1974 by the Orchestre Society of Pennsylvania following its selection by the Pennsylvania Composers Project panel.

The 70-piece orchestra, directed by Dr. D. Douglas Miller, associate professor of music, will also perform Schubert's overture to "Rosamunde," for which he composed incidental music, and Brahms' Variations on e Theme by Haydn. "The Moldau," from Smetena's "Ma Valst," a tone poem describing the River Moldau, will complete the program.

"Suiting Everyone" exhibit

A special Bicentennial exhibition on costumes, organized and produced by the Smithsonian Institution Traveling Exhibition Service, Is on display through May 29 in the HUB. The exhibit, "Suiting Everyone," illustrates the key factors that led to the mass production and merchandising of clothing in America and shows how the availability of clothing for all of the people has affected our social relationships.

Jazz Dence Theater performs

University Theatre closes its spring season with the fourth annual Jazz Dance Theatre in Concert Thursday, Friday end Saturday, May 13-15, at 8 p.m. in the Playhouse Theatre. Directed by Jean Sabatine, assistant professor of theatre erts, the company explores the multiple roots and diverse influences that have given shepe to contemporary jazz dance. Dancers will perform to music by such greats as Stan Getz, Herbie Mann, Rick Wakeman, Duke Ellington, Miles Davis, Chubby Checkers, Glenn Miller, The Temptations and others. Ticket reservations may be mede by calling 865-1884.

WPSX highlights

Michael Redgrave stars as a public school teacher forced into early retirement in "The Browning Version" on **Theatre Three** Saturday, May 15, at 9 p.m.

Britfish economist E. F. Schumacher's alternative to industrialization is examined on **Nova** Sunday, May 16, at 8 p.m. His theory — tested in several Third World nations — centers around developing an "intermediate" technology that costs less than total industrialization and uses people more effectively.

"American Ballet Theatre: A Closeup in Time" peys tribute to America's oldest and one of her greatest dance companies Monday, May 17, at 8:30 p.m. The 90-minute **PBS Special of the Week** presentation includes a complete performance of Antony Tudor's "Pillar of Fire," as well as excerpts from "Rodeo," "Swan Lake," "The River" and "Les Sylphides." It also provides glimpses of the company backstage.

The D'Oyly Carte Opera Company presents Its classic rendering of Gilbert and Sullivan's "The Mikado" on **Opera Theater** Tuesday, May 18, at 9 p.m. The City of Birmingham Symphony Orchestra performs the score.

Annuel Pops Concert

The annual Pops Concert by the Penn State Symphonic Wind Ensemble will be performed at 3:30 p.m. Sunday, May 16, in the Arts Courtyard in front of the Arts Bldg. The program will include a variety of popular and light classicel pieces performed by the 40-piece band, directed by Smith Toulson, assistant professor of music. In case of rain, the concert will be performed in the Music Bldg. recital hall.

Staff vacancies

Staff vacancies In this publication generally recelve at least o baccalaureate degree or equivelent as e minimum educational qualification. Staff vacancies requiring less than the baccelaureate degree as well as those announced in the INTERCOM may be found in the Penn State REPORTER. All University employees who are interested in promotion may apply by calling the Employment Division, 865-3867 (network Line 475-1367). Applications for those staff vacancies will be received until 5 p.m., **May 20, 1976. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

ADMINISTRATIVE AIDE, COLLEGE OF HUMAN DEVELOPMENT — University Park

Assist Director In planning and preparing division budget, research miscellaneous fund budgets; monitor and approve expenditure as funds are allocated by Director. Responsible for maintaining divisional personnel information system, student record system, supply dete when needed to Director, faculty development and program planning and development committees. Maintains liaison with Office of Administrative Services, administer academic support functions such as class scheduling, registration, seminars and typing; supervise the clerical support staff. Have knowledge of PSU policies which effect the above actions. Bachelor's degree in business or related area plus over one year of directly related experience In an administretive/supervisory position in an academic setting.

HEALTH PHYSICS ASSISTANT, INTERCOLLEGE RESEARCH PROGRAMS — University Park

Radiation and contamination surveys of radiolsotope laboreiorto, nuclear reactor, and x-ray machines; calibration of radiation detection equipment; analysis of air and water samples for radioactive metrial; survey and delivery of radioactive material shipments; collection and processing of radioactive wesie materiel; operation and maintenance of various types of electronic and mechanical equipment. Bachelor's degree, or equivalent, in physical science, mathematics or engineering. Experience in health physics, chemistry or physics preferred.

SENIOR PROGRAMMER, MANAGEMENT SERVICES — University Park

Responsibility for technicel evelupation of (1) application programming and support facilities, (2) software development, and (3) programming concepts within Dete Base Management Systems and an environment of advanced telecommunications. Scope of responsibilities includes exploretory development and tooling of novel programming aids and techniques, specification of programming test procedures, and the technicel review and performance assessment of development processing systems. Bachelor's degree or equivelent in computer science or related field, plus four to six years of directly related experience. Individual should have a demonstrated ability in (1) developing, testing and evelusting programming innovations; (2) communicating with technicel specialists, and (3) designing software for third generation systems dealing with telecommunications and DBMS applications.

SUPERVISOR, COMPUTER OPERATIONS, UNIVERSITY LIBRARIES — University Park

Training, supervising, scheduling and evaluating progress of input operetors; correcting program machine performance and job control problems; establishing production schedules and reviewing operation manuals; programming. Bachelor's degree in computer science or equivelent plus one to two years of directly related experience.

Funding sources

For further information, call 865-1372

(225-1) The NSF Societ Foreign Currency Program supports scientific exchange between the U.S. and "excess foreign currency" countries. Activities include research, science education, international travel and meetings, and guest scientists. Programs may extend from 6 months to 2 years. Requeste should be received by the National Science Foundation 6 months before the strut date. Contact Office of International Programs, NSF, Washington, D.C. 20550 (202-633-3750) (Ref. NSF 75-8).

(226-1) The Environmental Protection Agency (EPA) has issued regulations for water and air **program grants for state, interstate and local agencies.** EPA has also issued a memorandum of guidance for **grants for state and designated areawide water quality management,** providing minimum standards for procurement systems including subagreements procedure. Both issues contain information about training and facilities operation and guidelines for relating to **CETA Program** and others to OMB Circular A-95 coordinating state and areawide programs with USGL programs. (Ref. 41FR11461-66, 4/27/76).

(226-3) The Energy Research end Development Administration (ERDA) has issued **grant procedures for basic and applied research with educational institutions** (effective 4/27/76), pending the issue of an **ERDA Grant Manual** (Ref. 41FR17600-06, 4/27/76). A **Guide for The Submission of Research Proposals from Educational Institutions** will be issued by ERDA in November, 1976.

News briefs

(Continued from page one)

Counseling 771-4461
Dean — Faculty — ADRI 771-4461
Deen — Student Affairs 771-4551
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Instructional Services 771-4351
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Public Information and
Development 771-4351

Promotion and tenure rules sparked most interest, Chairman Small says

Implementation of the new Promotion and Tenure Recommendations was the item that generated most faculty interest during the past year, University Faculty Senate Chairman Sally S. Small told the University-wide Faculty Convocation held May 11.

Reviewing the events of the 1975-76 academic year, Mrs. Small pointed to the increase in faculty participation in University governance.

"Many faculty members are now involved in many ways in the decision-making processes of the University," she said.

"The Chairman, Chairman-Elect and Secretary of the Senate attend and participate in the committee meetings of the Board of Trustees. The Senate Chairman attends and participates in the Board meetings. The Faculty Advisory Committee to the President was established this year. Senate committees are serving in an advisory capacity to all major University officers. The Senate Committee on Committees and Rules has appointed or nominated faculty members to all types of administrative committees. In addition, faculty members are serving on the many academic review and planning committees and in faculty organizations."

This increased faculty involvement is not without its problems, the Senate chairman noted.

"Essentially, there is no reward for this service except that of self-satisfaction," Mrs. Small continued. "For the junior faculty member who carries a full advising, teaching and/or research load and attempts to meet scholarly growth requirements for promotion, the time and effort demanded can be detrimental to personal career development. Few colleges give weight to committee assignments performed for the "good of the University" when evaluating a faculty member for promotion and tenure.

"I realize the importance of individual scholarly growth for the academic health of the University. I also realize the necessity of good committee participation by all types of faculty members. I do not have the solution to that problem, but it is one the faculty must solve if we are to continue to involve young, energetic faculty members with new ideas in the governance of this University."

Mrs. Small, describing the activities of the Faculty Advisory Committee which convened for the first time on Aug. 5, 1975, noted that the group had discussed everything from the University's appropriation request and its security system to shifting enrollment patterns and the heat in Willard Bldg. The committee membership includes the President, the Provost,

(Continued on page four)

Balance, perspective cited by President as key words in convocation address

President Oswald identified "balance" and "perspective" as the key words in his remarks before the annual faculty convocation in University Auditorium on May 11. The event was transmitted simultaneously by telephone to all other campuses in the Penn State system.

In a little over 30 minutes, the President outlined major happenings at the University in the areas of enrollment, governance, program review, finances, accreditation and Bicentennial activities.

He prefaced his remarks with a brief report on his own activities over the past year as president of both the prestigious Association of American Universities and the Pennsylvania Association of Colleges and Universities.

"This has given me a wide view of problems and decisions at a number of institutions quite similar to our own," he said. "I speak today from that vista."

Citing present and future trends in enrollment as a major concern at many universities, Dr. Oswald described the situation at Penn State as "a great dichotomy."

"On the one hand are the real and growing pressures of some of the greatest enrollment increases and shifts that have occurred in the history of this University," he said.

"While on the other hand, we're equally aware of the demographic data that makes it clear that in as short a time as a decade from now, there will be 25 percent fewer high school graduates in our state, and that cannot help but have impact of quite a different type on enrollment here."

He noted that 1975 was the peak year for high school graduates in Pennsylvania, the peak having come earlier here than in some other states.

Drawing upon Englishman Eric Ashby's enrollment triangle — which views enrollment trends as a balance between student pressure for particular programs, the job needs of society, and the intrinsic nature of universities as viewed by academics — Dr. Oswald stressed the need for compromise between these three pressure factors in determining future enrollment plans for Penn State.

"As we look at these three angles for the next decade," he said, "we cannot ignore any of them in making our decisions."

In speaking of University governance, Dr. Oswald advocated a strong role for the faculty in personnel and curriculum decisions.

"A university is fundamentally its faculty and the faculty is fundamentally involved in the university's teaching, its research and its public service. Therefore only the faculty can be the judges of what

(Continued on page four)

PENN STATE intercom

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An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule



Assisting President Oswald in ribbon cutting are, from left, Campus Director Vernon Shockley; Wilford W. Gregory, associate professor of chemistry; student Dawn A. Watkins, and T. D. Wilkinson III, assistant professor of engineering.

Mont Alto dedicates a new laboratory

The new Science-Technology Laboratory at the University's Mont Alto Campus was dedicated in ceremonies conducted at the campus on Friday, May 7.

As part of the dedication, President Oswald spoke at a buffet breakfast attended by approximately 150 persons from the community and campus. Also speaking were Dr. Vernon L. Shockley, Campus director, and Thomas J. MacBride, chairman of the Mont Alto Campus Advisory Board.

Ribbon-cutting ceremonies were followed by tours of the new facility.

The new building, constructed by the General State Authority, has administrative offices, a conference room, exhibition room, faculty offices and a photogrammetry laboratory on the first floor.

The second floor includes two biology laboratories, a 100-student classroom, two biology suites and a suite of offices for the associate degree program in forest technology.

The third floor has chemistry and physics laboratories, classrooms and faculty offices, while the fourth floor houses mechanery.

According to Dr. Shockley, the new offices and laboratories replace those in Science Hall, which was built in 1926 and designed to accommodate 250 students. Enrollment at the Campus is now approximately 900. Science Hall, to be renamed, will become a general studies building.

News in brief

Alumni giving increased

Alumni giving increased about 56 percent during the first ten months of the current academic year as compared to the same period in 1974-75. Donations thus far for 1975-76 total $1,049,654 as compared to $672,440 a year ago.

The greatest increase was registered in deferred gifts, which now total $464,613. Last year at this time the figure was $111,357.

Annual giving from alumni and friends increased 36 percent, from $627,393 to $852,627. The number of gifts rose from 14,057 to 18,153, a 29 percent rise.

Gifts from corporations and businesses were up 25 percent, from $1,203,423 to $1,500,414. However, because of a decline in foundation giving, due in part to the effects of the recent recession on foundation stock portfolios, total giving rose only four percent, from $4,227,505 to $4,413,598.

The total number of gifts received by the University's Office of Gifts and Endowments was up from 14,747 to 19,037, an increase of 29 percent.

Brown F to close May 27

The Brown F parking area at the HUB will be closed to faculty and staff members on Thursday, May 27, because of Delegate Election of Trustees. Vehicles displaying Brown F parking privileges are to be parked in any of the designated open faculty-staff parking areas.

Advisory Boards meet

The Advisory Boards of the University's Hazleton, Wilkes-Barre and Worthington Scranton campuses held their first joint meeting last week at the Wilkes-Barre Campus. Approximately 50 members of the three boards toured the Campus and were hosted at a reception and dinner. Guests at the meeting were Dr. Robert G. Quinn, dean of academic instruction for Commonwealth Campuses; Joseph F. Dougles, associate dean; and Dr. John L. Leathers,

(Continued on page three)



Dr. Larson

Provost receives Wilkinson award

Dr. Russell E. Larson, who joined the faculty in 1944 as assistant professor of horticulture and for the past four years has been provost of the University, has been chosen to receive the 1976 John E. Wilkinson Award for Administrative Excellence.

The $500 award was established in 1970 to be presented annually to an administrator at the University for outstanding achievement in the administrative field. It is made possible by friends of John E. Wilkinson, Bellefonte businessman, in whose honor it is named.

In the recommendation, Dr. Larson was cited for his "dedication, integrity, knowledge of the job, leadership, and his ability to inspire both confidence and excellence."

Dr. Larson, who plans early retirement in January, was named head of the Department of Horticulture in 1952, associate dean of the College of Agriculture and director of Cooperative Extension in 1962, and dean of the College of Agriculture in 1963.

PENN STATE COLLECTION

Faculty notes

Dr. Jessie R. Bernard, who is professor emerita of sociology, has been named the Kurt Lewin Award recipient for 1976 by the Society for the Psychological Study of Social Issues, a division of the American Psychological Association. The award, which is the nation's highest honor in the field of social psychology, is given each year for "outstanding contributions to the development and integration of psychological research and social action." In 1967, **Dr. Muzafer Sherif,** professor emeritus of sociology at Penn State, received the award.

Dr. Bernard retired in 1964 after serving for 18 years as professor of sociology. Since her retirement, she has been a scholar-in-residence for the U.S. Commission on Civil Rights and a visiting fellow at the National Institute of Education. The American Sociological Association recently established the Jessie Bernard Award to be given in recognition of a combination of scholarly and humane contributions by a sociologist. Dr. Bernard is the author or co-author of many books, the most recent of which is "Women, Wives, and Mothers." Others include "Future of Marriage," "Sociology and Community," "Future of Motherhood," "Women in the Public Interest," "The Sex Game" and "Academic Women."

Dr. J. D. Hammond, professor of business administration, was honored as a Distinguished Alumnus of Northwest Missouri State University, Maryville, Mo., during that institution's spring commencement exercises. A 1955 graduate of the Missouri school, Dr. Hammond joined the Penn State faculty in 1964. He is recognized for his contributions to the field of insurance and is the author of "Essentials of Life Insurance." He has served as president of the American Risk and Insurance Association as well as assistant editor of the "Journal of Risk and Insurance." A former faculty member at Ohio State and Penn, where he received his doctorate, Dr. Hammond was honored by his alma mater for "contributions to the field of education."

"Scindapsus Dyptich," an intaglio print by **Paul Harcharik,** instructor of art, has received an award in the 53rd Annual Spring Show at the Erie Art Center. The same print was accepted for exhibition in the Tenth Dulin National Print and Drawing Competition at Dulin Gallery, Knoxville, Tenn. Mr. Harcharik's "Five Toothpaste Tubes" is on view in the 10th Annual National Drawing and Small Sculpture Show at Del Mar College, Corpus Christi, Tex., and his "Configuration #2", was accepted for the Pennsylvania Printmakers Invitational at Lehigh University, Bethlehem, Pa.

Joseph J. Seltzer, instructor in business at the Beaver Campus, was awarded Best-of-the-Show in the Eleventh Annual Spring Art Exhibit. His sculpture, "Circles, Circles," was chosen from the exhibit's 472 art pieces. The prize-winning art works are on display through June 1 in the Campus Library Gallery.

Dr. **Ronald Abler,** associate professor of geography, presented an invited paper, "The Telephone and the Evolution of the American Metropolitan System," at a Massachusetts institute of Technology seminar marking the centennial of the invention of the telephone. He also delivered the paper at a session on the social impact of the telephone at a Conference on Telecommunications Policy in Airlie, Va. A second paper, describing the production of "A Comparative Atlas of America's Great Cities," a forthcoming work of which Dr. Abler is editor, was given by Dr. Abler at a Workshop on Automated Cartography sponsored by the National Center for Health Statistics.

Dr. **Ned C. Dellhi,** professor of music education, has been named director of the Penn State Blue Band, effective July 1. He has been serving as acting director of the Band since the death of Dr. James W. Dunlop last August and prior to that had served with Dr. Dunlop for 12 years as associate director. As director, he will have responsibility for the Marching Blue Band of 170 pieces and also for the Concert Blue Band of 95 members.

Dr. Delhi received his B.M.E. from Indiana University at Bloomington, Ind., his M.M. from the University of Michigan and a D.Ed. at Penn State.

Dr. Daniel R. Frankl, professor of physics, will present colloquiums next month at Battelle Institute, Columbus, O., and at Bell Telephone Laboratories, Murray Hill, N.J. His topic is "Diffraction and Selective Adsorption of Atomic Beams on Solid Surfaces." Dr. Frankl is co-author of a paper to be presented by **Michael P. Live,** a doctoral candidate in physics, at the 36th Conference on Physical Electronics, Madison, Wisc., June 7-9. That paper is titled, "Helium Atomic Beam Scattering from Clean (001) Surfaces of NaF."

Two papers by University biochemists will be presented at the American Society of Biological Chemists meeting in San Francisco, June 6-10. **Nancy A. Schroedl,** a doctoral candidate in biochemistry, and Dr. **Charles R. Hartzell,** assistant professor of biochemistry, will present a paper titled, "Intramolecular Electron Distribution in Cytochrome aa$_3$ as a Function of Reductant and Gaseous Substrate." **Linda J. Strong,** doctoral candidate in biochemistry, Dr. Hartzell, and Dr. **Richard L. McCarl,** professor of biochemistry, are the authors of the other paper, "Inhibition of Cyclic AMP Phosphodiesterase by Halothane and Diethyl Ether."

Jey C. Sheely, a graduate student in horticulture at the University, has been named a research assistant in horticulture. He holds a B.S. in biology from Elizabethtown College.

Dr. **Catherine Albanese,** associate professor of religion at Wright State University, Dayton, O., has been appointed visiting associate professor of religious studies for the coming academic year. She holds a B.A. from Chestnut Hill College, and an M.A. from Duquesne University. Her doctorate was granted by the University of Chicago, where she specialized in the religious thought of American transcendentalists.

Pat Sharpe, part-time assistant professor in general education in the College of the Liberel Arts, has been awarded a Fulbright-Heys grant to teach American literature at the University of the Punjab in Lahore, Pakistan, during the 1976-77 academic year. She has also received a research grant from the American Institute of Pakistan Studies to study women writers in Urdu during the summer of 1977. A graduate of Douglass College, she has an M.A. in English literature from Penn and a Ph.D. in American literature from Penn State.

Dr. **Gerald I. Susman,** associate professor of management science and organizational behavior, is the author of a new book which reappraises the assumptions underlying the way work is designed in advanced industrial societies and the role of the worker in the production process. The book, "Autonomy at Work: A Sociotechnical Analysis of Participative Management," is published by Praeger Publishers, Inc.

The study offers a comprehensive treatment of the "sociotechnical" approach to improving the quality of working life and builds on theory and research based on this approach, which began nearly 30 years ago at the Tavistock Institute of Human Relations in London. Dr. Susman argues that improving the quality of work means increasing productivity as well as opportunities for greater use of skills, continuous learning and meaningful engagement in work- and community-related activities.

In the forward to the book, Eric L. Trist, a founding member of the Tavistock Institute and current head of the Management and Behavioral Science Center at the University of Pennsylvenia's Wharton School of Business, comments that until the publication of Dr. Susman's book, the field lacked en overall conceptual account.

Dr. **Robert Stefanko,** professor of mining engineering and assistant dean for continuing education in the College of Earth and Mineral Sciences, was one of 14 experts in mineral production end energy needs from across the nation invited to present papers last week at a White House Conference on U.S. Energy and Mineral Supplies: Meeting National Needs. His topic at the conference, which was planned by the American Institute of Mining, Metallurgical, and Petroleum Engineers, was "Manpower Requirements." Dr. Stefanko was also recently appointed to a new 16-member committee set up to advise the Secretary of the Interior on coal mine safety research priorities.

Dr. Douglas E. MacDonald, assistant professor of engineering mechanics, has been appointed e Fellow to participate in a cooperative research and study program at the NASA Langley Research Center, Hampton, Va., from June 7 to Aug. 13. The host institution of the Aeronautics and Space Research program is Old Dominion University, Norfolk, Va. He will do research in the area of ultrasonic investigetion of metal fatigue.

Dr. L. N. Mulay, professor of solid state science, has been invited to be on the organizing and program committees of the Second International Conference on Amorphous Magnetism to be held Aug. 25-27 at the Rennseleer Polytechnic Institute, Troy N.Y. Prof. Mulay will present an invited paper on the magnetic properties of metal and metal oxide dispersions and will chair a session at the conference.

Dr. Philip L. Taylor, assistant professor of psychosocial science and social science at Capitol Campus, recently was elected president-elect of the Division of Community Psychology of the Pennsylvania Psychological Association (PPA). Dr. Taylor is a Harvard graduate with a Ph.D. in community psychology from New York University. He was director of research at New York Community Training Institute, Inc., a part of the New York City anti-poverty program, and director of criminology at the Criminal Justice Evaluation Project of the Mayor's Office of the City of New York.

Dr. William E. Mettis Jr., assistant professor of engineering, Delaware County Campus, recently presented a paper entitled, "Modeling and Minimum Energy Control of Traction Motor Systems," at the Seventh Annual Conference on Modeling and Simulation, at the University of Pittsburgh. Dr. Mattis also presented a paper, "Minimum Energy Control of a System With a Nonlinearity Using Functional Analysis," at the 1976 Conference on Information Sciences and Systems at Johns Hopkins University.

Dr. S. M. Farouq-Ali, professor of petroleum and natural gas engineering, recently presented a paper, "Development of Petroleum Engineering Research in Saudi Arabia," at a conference on science and technology at the University of Riyadh in Saudi Arabia. He also gave a paper on "Finite Analysis of Temperatures and Stresses Induced by Hot Water Injection" at a meeting of the European Society of Petroleum Engineers in Amsterdam, Netherlands.

Dr. H. R. Hardy Jr., professor of mining engineering and director of the University's Rock Mechanics Laboratory, recently presented two papers at the American Gas Association Transmission Conference in Las Vegas. Entitled "Microseismic Monitoring of Gas Reservoirs" and "Salt Cavity Design and Performance," the papers reviewed research currently being done at the University on the underground storage of natural gas.

Dr. E. Willard Miller, associate dean of resident Instruction of the College of Earth and Mineral Sciences, received the Special Award for service to the Pennsylvania Academy of Science at the Academy's annual meeting held at Shippensburg State College.

Dr. **D. W. Ricker,** research associate at ARL, is the author of a paper, "A Nonlinear Feedback System for the Normalization of Active Sonar Returns," which appeared in the February issue of the "Journal of the Acoustical Society of America."

Dr. William M. Smith Jr., professor of rural sociology, participated in a Fulbright-Heys Conference at Brown University May 8. The Board of Foreign Scholars and the Fulbright-Hays programs are holding ten regional conferences on the theme of "International Education." Dr. Smith received a Fulbright award in 1964-65 to The Agricultural University of The Netherlands. During 1973-74, under a "Distinguished Foreign Professor" Fellowship awarded by the same University, he conducted research in a traditional Dutch farming community.

Dr. Martin W. Sharp, assistant professor of education at the Delaware County Campus, is one of eight academics from across the country to be selected as participant in the Scholar-Diplomat Program on South Asia, sponsored by the U.S. Department of State. Dr. Sharp spent seven days in Washington during the first week of May attending briefings at the Department of State, the White House and the United States Information Agency.

During 1976-77, he will return to Washington to complete various assignments dealing with educational and cultural affairs between the Department of State and other executive-sponsored agencies. In return, speakers from the Department of State will visit the University at both the Delaware County and University Park campuses. A graduate of Glassboro, N.J., State College with a B.S. and M.A. in education, Dr. Sharp received his D.Ed. in secondary education at Penn State.

Dr. Herschel W. Liebowitz, professor of psychology, has been elected to membership in the Society of Experimental Psychologists. The group, which was chartered in 1929, consists of approximately 120 members and fellows, and only five new members are elected each year. **Dr. Charles N. Cofer,** professor of psychology, was the first Penn Stater elected to the society. He was chosen in 1966

"The Emerging Role of Local Governments" was the keynote topic for the Spring Convention of the Northampton County Association of Township Officials presented by **Guy Temple,** associate professor of agricultural extension. Mr. Temple also chaired a workshop session comprising four topics — Money Management, Home Rule Government, Federal and State Programs and Regional Municipal Associations.

Dorothy V. Harris, professor of physical education, participeted in a Conference on Athletic Discrimination sponsored by The DePaul Women's Law Caucus, DePaul University College of Law, last month in Chicago. The conference was the first of its kind structured to deal with legal aspects of discrimination against females in sports.

Education helps four Scholars

Contributions collected from College of Education faculty members are being used to support four education students, each of whom has been awarded a $750 Renaissance scholarship for 1976-77.

All Renaissance Scholars have the financial need certified to extreme by the College Scholarship Service. In the case of one of the education awardees, a sophomore in elementary education at a Commonwealth Campus, medical problems have compelled the student to seek aid. However, they have not affected her grade point average, which is 3.88.

The goal of the Renaissance Fund, according to its charter, is to provide aid to the financially neediest of the academically able.

A second education Scholar needs funds to supplement her retired father's income as she prepares to become a remedial reading teacher. A third seeks a degree in home economics education but needs support since she is one of two college-enrolled children in her family. The fourth Scholar will be a freshman next fall at University Park and is working as a dishwasher and kitchen helper to earn some of his expenses.

The College of Education faculty is the first in the University to select and support Renaissance Scholars, and they are currently raising funds to help a fifth one.

A. M. Wellington, professor of counselor education and director of the Renaissance Scholars program, will be happy to work with faculties of any other Colleges interested in selecting and supporting Scholars in whom they have a special academic interest.



Left to right: Mr. Romig, Dr. Hughes, Dr. Volz, and Mr. Brownlee.



Left to right: Mr. Romig, Mr. Anderson, Mr. Kjelgaard, Dr. Klaus, Mr. Lai, and Mr. Custard.



Left to right: Mr. Romig, Dr. Keith, Dr. Snipes, and Dr. Cunningham.

Invention incentive awards presented

Invention incentive awards, totalling $700, have been presented to 12 faculty and staff members at the University by the Pennsylvania Research Corp. under a policy that provides $200 to the inventors for each invention accepted for patenting.

The payments, authorized at the time of the filing of the first patent application, were made in checks presented by John L. Romig of Kennett Square, president of The Pennsylvania Research Corp. and a trustee of the University.

Three of the awards were for heart-related projects. They went to Robert R. Brownlee, staff systems engineer in the Department of Electrical Engineering and Dr. G. Frank O. Tyers, associate professor of surgery at The Milton S. Hershey Medical Center, for the ventricular programmed pacemaker; to Dr. Tyers, Mr. Brownlee, and Dr. Carl Volz, professor emeritus of electrical engineering, for the rechargeable cardiac pacemaker; and to Dr. Howard C. Hughes Jr., assistant professor of comparative medicine and research associate in surgery, also at Hershey, for the pacemaker electrode system.

A vapor deposited lubricant for metal casting brought checks to Dr. E. Erwin Klaus, professor of chemical engineering; and C. W. Lai, a former graduate student with Dr. Klaus.

William L. Kjelgaard and Paul M. Anderson, both associate professors of agricultural engineering, received awards for development of equipment and application methods for cold liquid ammonia as a low cost source of non-protein nitrogen in livestock feeds and possibly to reduce fuel requirements for applying ammonia to the soil.

Dr. Norman C. Deno, professor of chemistry, and Dr. Harry J. Spinelli, who worked with Dr. Deno as a graduate student, received an award for their work on the photochlorination of alkanols; while Dr. Alex Keith, associate professor of biophysics, and Dr. Wallace C. Snipes, professor of biophysics, shared an award for their research on a butylated hydroxytoluene antiviral agent.

Disclosures leading to the patent applications were handled through the University patent counsel, Robert F. Custard, in the office of Dr. Richard G. Cunningham, vice-president for research and graduate studies.

News briefs

(Continued from page one)

administrative director for Commonwealth Campuses.

Dean Quinn spoke to the group concerning Penn State's unique Commonwealth Campus system and the special contributions made by the Advisory Boards in the development of the system. He also discussed future opportunities for expanded services and interaction.

Plans are being made to have joint meetings at the other campuses in the future.

Summer Social Security benefits

University employees age 62 or older who will not be working during the summer months may qualify for social security benefits for one or more of the summer months, provided certain conditions are met. A provision of the Federal Social Security Act covers faculty and staff members whose contracts do not require service during the summer term or other employees placed on summer layoff. An employee does not have to be retired to qualify and may still be receiving salary payments. All employees age 62 and over who will not be working during the summer may wish to contact their nearest Social Security office to determine whether or not they qualify.

Fayette celebrates 10th year

President Oswald spoke at a luncheon Saturday, May 15, honoring founders and donors to the University's Fayette Campus in Uniontown in conjunction with the tenth anniversary of the Campus. Also speaking at the luncheon were Kenneth L. Holderman, vice president emeritus of Commonwealth Campuses and a University trustee, and James M. Driscoll, chairmen of the Fayette Campus Advisory Board. Special recognition was made to O. E. Eberly, who played a key role in establishment of the Campus. The Fayette County Commissioners proclaimed May as the Tenth Anniversary Month of the Fayette Campus "in recognition of the contributions of the Campus to the community."

INTERCOM schedule

INTERCOM will not be published during term break on May 27 or June 3. A summer term calendar will appear in the issue of June 10, and items for it should be sent to the Calendar Editor, 312 Old Main, by Friday, May 28.

Library assignments

Members of the faculty who wish to obtain "Study Space Assignments" in Pattee Library for the summer term should note that the assignments will be made on a first-come, first served basis Tuesday, June 1, beginning at 7:45 a.m. in Room 106 Central Pattee. There are only 45 such spaces. Further questions should be directed to Cordelia Swinton, 865-5420.

Chapel speakers sought

The Office of Religious Affairs is now accepting nominations for Chapel speakers for 1976-77. Interested persons are invited to nominate speakers whom they would like to hear and whom they believe would project perspectives of meaning and value for members of the University community. Please send the nominee's name, current address and any background information to Charles L. Coleman, Program Director, 110 Elsenhower Chapel. For further information, please call 865-6546.

Commencement rain schedule

Spring Term commencement exercises at University Park will be held at 10:30 a.m. Saturday, May 29, in Beaver Stadium with 5,000 students scheduled to receive degrees.

Speaker for the program will be Sareh Caldwell, artistic director of the Opera Company of Boston.

President Oswald will preside at the exercises and will be assisted in conferring the degrees by William K. Ulerich, president of the Board of Trustees.

In order to speed the movement of traffic, University Dr. and Park Ave. will be one-way streets, starting at 9:30 a.m. with traffic moving toward the stadium.

In the event of an all-day rain, a decision will be made at 7:30 a.m. as to whether to hold exercises at Beaver Stadium or at five different indoor locations.

The rain schedule calls for 10:30 a.m. exercises as follows: Liberal Arts, Human Development and Arts and Architecture in Recreation Bldg.; Education in University Auditorium; and master's and doctor's candidates from the Graduate School in Schwab Auditorium.

The afternoon commencements, scheduled for 2 p.m., will be held in Recreation Bldg. for Engineering, Science and Business Administration graduates; and in University Auditorium for Earth and Mineral Sciences, Health, Physical Education and Recreation, and Agriculture graduates.

Vacationers: check on home security

During last winter's Christmas break, State College was visited by a group of prison escapees from Philadelphia, and a number of homes in the area were burglarized.

The burglars were apprehended, but with vacation season again at hand, persons planning to leave town might do well to take some precautions, according to David E. Stormer, director of University Safety.

"Burglars always try to get in the easiest way first," Mr. Stormer points out, "and an open garage door is their favorite place. One of the easiest doors to force in many homes is the sliding glass patio variety. A wooden dowel laid in the track, or, better still, a special lock to prevent the door from being forced from the outside can forestall such attempts."

Good working locks in any house or apartment are a necessity, and deadbolt locks are the best kind, although Mr. Stormer cautions against using deadbolt locks keyed from both outside and inside. In case of fire, they could be responsible for trapping you in the house.

There are deadbolt locks and deadbolt locks, however. The length of the deadbolt is important; shorter ones are easier to force. Brass deadbolts can be cut with a hacksaw. The best locks have a hardened steel bearing in the middle of the bolt so anyone trying to saw through it finds the hacksaw riding — indefinitely — on a rolling bearing.

Mr. Stormer recommends having a safe-room somewhere in the house. By this he means an interior closet with a solid core door and a good deadbolt lock. Such a closet will be a lot safer if it's set in a plaster wall rather than in dry wall construction. In the latter instance, it should be sheeted inside with plywood paneling.

Leaving outdoor lights on may also help discourage thieves.

"I know several cases where neighbors have gone together and installed a street lamp at the junction of their back lots," Mr. Stormer says. "It probably is helpful in moving illegal activities to some other area!"

If you are using a timing device to activate lights, a radio or television in your absence, use more than one so lights go on and off realistically in various parts of the house at different times.

Be sure to tell your neighbors when you're leaving town. That way if they see a delivery truck or van parked by your house, they'll know something is wrong. (Burglars have been known to pull up to an unoccupied house and cart away entruckload of valuables.)

"Notify the police if you plan to be gone," Mr Stormer adds. "In State College, for example, police will stop by and check your house for you."

Other precautions include canceling the newspaper and dairy deliveries and not allowing mail to accumulate. The Post Office will hold mail if you fill out a form specifying when you plan to leave and when you will return.

Carry enough insurance to protect you in case something does happen, Mr. Stormer concludes, and know what you have. Valuables should be inventoried.

"Locally, there are not a lot of things 'fenced'," he notes. "Most burglars are amateurs, and they put what they've stolen to immediate use or sell it to another individual. Goods that are 'fenced' are taken to cities like Pittsburgh or Philadelphia, so it is important that you have a record of the serial numbers on your belongings to give police a better chance to recover them for you."

Social exchange study

Leading sociologists and psychologists from throughout the country will take part in a three-day Conference on Human and Family Development May 26-28 in Keller Bldg. University faculty and students are welcome to attend.

The conference, a Continuing Education service of the College of Human Development, will examine "Social Exchange in Developing Relationships."

It is designed to provide the foundations for examining the development and deterioration of social relationships.

President's talk

(Continued from page one)

Is a good course or a good curriculum. Similarly they have a tremendous stake in who their colleagues are going to be. They have no choice as to whether they play a role in the decisions made in these areas — they must play a role."

The President again urged balance in determining governance proceedings for the University and noted that the tast of these procedures will be presented on July 1, dealing with review procedures for academic administrative offices.

A major portion of Dr. Oswald's remarks were directed at program review, which is now underway throughout the University.

He reported that the project is progressing on schedule, with 48 of 110 undergraduate and 22 of 126 graduate program reviews already completed and the remainder to be executed by 1980.

"I know that there has been concern within the faculty about program review and the time that it takes," he observed, "but no other group could perform this vital function."

In responding to the concern over the intention of the reviews, the President noted: "Program review was basically conceived as, and still is, a qualitative inventory of our academic offerings at this University. It was not initiated with the intention of using it as a meet cleaver-budget cutting device."

But he acknowledged a potential connection between program review findings and curriculum decisions in the next decade in light of dwindling educational funding.

"In the next decade, new kinds of departments and courses will have to be created as new knowledge emerges and is looked at in new ways. In the past we have been able to create these offerings with the monies that come with growth, but we clearly won't have that kind of luxury in the years ahead," the President pointed out.

"I am being very direct with you on this. If we get into the position of having to develop new programs, and we will, we will have to make some judgments about existing programs and at some point we will probably have to drop some programs.

"This won't happen next year or the year after. But looking ahead farther, I think that the program review documents we're undertaking now will help us make those hard decisions."

In a fourth major area of reporting, Dr. Oswald outlined the University's financial picture for fiscal 1976.

Penn State initially requested a state appropriation of $116 million. The University later reduced its request to $114 million and the Governor recommended $104 million.

"There's a $10 million gap," the President explained, "and we don't expect to cover it all by tuition. But there will have to be some tuition increase.

"There is no question that we are going to provide a competitive salary increment for University employees. We may wish it could be a little higher, but we have to balance this priority with an equal priority to keep our tuition level from getting too high. I'm going to recommend to the Board of Trustees the best possible balance we can achieve."

The President added that the University hopes to act on its budget at the next trustee meeting scheduled for May 28.

There was a mood of optimism in Dr. Oswald's report on the recent accreditation visit by a Middle States evaluation team.

A final report has not been issued by the team but, according to the President, "I can report to you on the exit interview which I thought was most interesting and most encouraging."

He noted that this accreditation posed a particular problem for the evaluators because of the University's multi-campus system.

"First they had to decide whether they were going to try to accredit one campus or 22 campuses," he explained.

"Again it's a question of balance between the unity of the University on the one hand and the recognition, on the other hand, that each campus is different and does have its special problems."

Harkening back to the old story of the aerodynamically unsound bumble bee, the President reported that one of the evaluators had confided to him in leaving. "From the looks of it (the Penn State system), we don't see how it can fly, but it does."

Dr. Oswald ended the convocation address with praise for the University Bicentennial Commission and its major offerings to date — "Be Glad Then America," the Penn State Press book "Pennsylvania 1776," the current exhibit of American portraits at the Museum of Art, and the Freedom: Then, Now and Tomorrow project which is sponsoring forums and town meetings across the state.

Staff vacancies

Staff vacancies in this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in the INTERCOM may be found in the Penn State REPORTER. All University employees who are interested in promotion may apply by calling the Employment Division, 865-1367 (network Line 475-1367). Applications for these staff vacancies will be received until 5 p.m., **May 27, 1976. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

ASSISTANT TO CONTRACT NEGOTIATOR AND COORDINATOR, VICE PRESIDENT FOR RESEARCH — University Park

Directly responsible to the Contract Negotiator and Coordinator, with the primary responsibility at the central administrative level for the internal processing of proposals seeking sponsorship, of research, training, and continuing education projects and to supervise others in the office who have similar duties. This entails gaining and maintaining a working knowledge of the rules and requirements of various federal agencies and of university policy and procedures in the area of proposals and related activities. A secondary responsibility is to assist with the negotiation of grants and contracts. As a minimum, applicants should be a college graduate with accounting training, plus three to five years of related experience, preferably in the handling of proposals, contracts and grants.

TECHNICAL SUPERVISOR, COLLEGE OF ARTS & ARCHITECTURE — University Park

Responsible to the Production Coordinator of Department of Theatre and Film for providing supervision of University Theatre Productions in the areas of scenic construction, drafting, properties and scenic painting. In addition, the candidate will supervise and train the student production crews entrusted with the execution of the above areas. Bachelor's degree in fine arts or equivalent, plus a minimum of two years of directly related experience in either an academic or professional scenic studio is required.

SCIENTIFIC INFORMATION OFFICER, PUBLIC INFORMATION AND RELATIONS — University Park

Responsible to the Director of Public Information and Relations for providing newspapers, magazines, radio and television with story information as it relates to research efforts at the University. Bachelor's degree in a science or in a writing or communications field, including a familiarity with the sciences and an understanding of the terminology. Ability to interpret the research field and at least three years of science writing experience at another university or with a newspaper or magazine.

WRITER, PUBLIC INFORMATION AND RELATIONS — University Park

Responsible to Head Informal Communications for effectively covering a variety of writing assignments for Intercom, the Reporter, and Faces of Penn State, and, also, in cooperation with the News Bureau, cover one or two schools on a "beat" basis. Bachelor's degree in journalism or liberal arts, with two years of experience on newspapers or magazines in writing positions. Must have a specialized knowledge of the communications media and how they function, the ability to write well, fast and accurately. An interest in educational programs is desired.

COLLEGE HEALTH NURSE — STUDENT AFFAIRS — Ritenour Health Center

Responsible to Head, College Health Nurse, Inpatient and Emergency Room, for providing nursing service in the In-Patient Service Area and for the Emergency Room and assisting licensed physician and dentist in patient care. Hours are 12 midnight to 8 a.m. Graduate from an accredited nursing program or its equivalent and current licensure in Pennsylvania as a registered nurse, plus 12 to 18 months of directly related experience.

ASSISTANT ACCOUNTANT, CONTROLLER'S OFFICE — University Park

Responsible to the Director of Accounting and to assigned accounting personnel for assistance in a wide variety of duties, working toward the overall goal of obtaining well rounded accounting experience in all areas assigned within the Office of the Controller. Bachelor's degree or equivalent, preferably in accounting. Must have had over three months of directly related experience

GENERAL ACCOUNTANT — Hershey Medical Center

Responsible to Assistant Manager of Fiscal Affairs for the supervision and preparation of various accounting and financial reports pertaining to hospital fiscal matters. Bachelor's degree in accounting or equivalency, plus one to two years of directly related experience.

HUB to serve over break

Friday, May 21, will be the last day for complete food service at the HUB Tartaca Room until Sunday, June 6. The cafetaria will be open for lunch, howavar, during term break, May 24-28 and June 1-4. There will be no food service of any kind on May 22 and 23 and on May 29, 30 and 31.

Calendar

University schedule

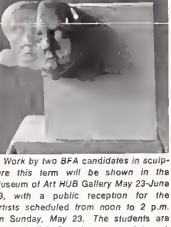
Thursday-Saturday, May 20-22
Final Examinations.
Saturday, May 29
Commencement.

Seminars

Friday, May 21
Aerospace Engineering, 4 p.m., Room 232 Hammond. Dr. Mohamed Gad-el-Hek, Visiting Professor, University of Virginia, on "Dispersion Measurements at a Smoke Source in an Isotropic Turbulent Flow Field."
Monday, May 24
Organic Chemistry, 8 p.m., Room 333 Whitmore. P. Chinnasamy on "The Ene Reaction."
Tuesday, May 25
ARL, 10:45 a.m., Eric A. Walker Conference Room, Applied Science Bldg. M. W. Lengyel on "Past Problems, Present Requirements and Future Trends in Recording."
Wednesday, May 26
Agronomy, 3 p.m., Room 301-B Ag. Admin. Dr. P. F. Low, professor of soil chemistry, Purdue, on "The Nature and Properties of Water in Clay Systems."

Exhibits

Museum of Art: Portraits USA. 1776/1976.
Zoller Gallery: End-of-Year Student Exhibition.
Kern Gallery: Bruce Johnson, watercolors, until May 22. First Annual Graduate Commons Sculpture Invitational.
HUB Gallery: Works by two BFA candidates, until June 23. **HUB First Floor:** Retrospective exhibit of work by French architect Auguste Perret. **HUB Main Lounge:** Suiting Everyone, through May.
Chambers Gallery: Undergraduate Student Exhibition, all medie.
Pattee Library: Lending Services Lobby, drawings by Neil Feather.
Hammond Gallery: Building — U.S.A. Architectural engineering student exhibits.



Work by two BFA candidates in sculpture this term will be shown in the Museum of Art HUB Gallery May 23-June 13, with a public reception for the artists scheduled from noon to 2 p.m. on Sunday, May 23. The students are Micheal Flick, Downingtown, and Joseph Schiavo, Philadelphia. Above: Mr. Schiavo's 24-inch plester "Relationship 22."

Evening course sign up June 7, 8

Summer term registration will be held Monday and Tuesday, June 7 and 8, for Penn State's evening credit courses for part-time students.

Registration personnel and counselors will be on hand in Keller Bldg. from 9 a.m. to 9 p.m. on June 7 and from 9 a.m. to 5 p.m. on June 8. Classes begin June 9.

Most of the courses offered carry three undergraduate credits and meet two evenings each week for two hours. The credits may be applied toward a baccalaureate degree when the student has been admitted to the University as a degree candidate, or used to fulfill professional certification requirements.

High school graduates or those with equivalent diplomas may register for undergraduate or associate degree courses providing course prarequisites have been mat. Advanced credit courses are open to graduate students and others who have successfully completed at least 60 college credits.

Those interested may obtain a brochure listing all courses, credits, meeting dates, times and places, along with detailed registration information, by contacting Continuing Education, Room 309 Shields Bldg., 865-3443.

Senate review

(Continued from page one)

the four Senate officers and three faculty members elected by the Senate.

Referring to the Senate's Promotion and Tenure Recommendations, Mrs. Small explained that they "attempted to assure that each faculty member would receive a fair evaluation by peers as well as by administrators; that each would be informed annually of the assigned responsibilities in teaching, research and/or scholarly activity and would be evaluated on the basis of those responsibilities; that student evaluations would be considered for the teaching faculty, and that each faculty member would be apprised of the results of the evaluations and provided with guidance for improvement of performance."

Although there were many complaints about the policy initially, Mrs. Small said she believed they developed largely through a lack of understanding caused by the rush to get the review process underway.

"The Faculty Affairs Committee of the Senate is monitoring the effects of the implementation and is collecting criticisms and suggestions for improvement," she commented. "Steps have been taken to recommend and prepare any recommendations for change when appropriate.

"More detailed guidelines will ultimately be needed. Feedback mechanisms reportedly have not worked properly. A time table and flow chart for information back to the faculty member is just as important as the one for forwarding reviews. The consultation between the faculty member and the academic administrator completes the evaluation process and is where real faculty improvement occurs."

For the future, Mrs. Small suggested that the Senate should "develop recommendations for piloting new course and program proposals through the labyrinths of campus, departmental, college, Senate and administrative committees. There are many throughout the University who spend months or even years developing a bright new idea, only to loose it in the maze."

She also recommended a peer review policy to evaluate faculty members not on the tenure track and for faculty teaching on a a part-time basis.

And she concluded:

"Effects of future budget constraints should be carefully monitored by the Senate to ensure that necessary research and instruction programs are adequately maintained.

"However, the most important function of the Senate is to provide a balanced representative body to deal with matters to ensure academic excellence in teaching and research at The Pennsylvania State University and also ensures that the University continues to respond to the educational needs of the Commonwealth. This can best be accomplished with the continued support and cooperation of the University administration."

Pool schedule

The Outdoor Pool schedule for the 1976 season is as follows:

May 28 — 12 noon to 5 p.m., depending on weather.

May 23 — 10 30 a.m. to 6 p.m., open to all University students, faculty and staff and their families on a daily basis.

June 6 — 10:30 a.m. to 8 p.m.

Aug. 20 — 10:30 a.m. to 6 p.m., open after 6 p.m., weather permitting.

Sept. 1 — 12 noon to 6 p.m.

Oct. 1 — pool closes officially. May be open on a temporary basis beyond this date depending on the weather.

All University faculty, staff and students are considered members of the Outdoor Pool, which is available for their use on the following basis:

1. Admission: 50 cents per person daily or member may purchase a "special rate" swim ticket. The cost of this ticket is $5 for 15 swims.

2. A member must present an I.D. card upon request.

3. A member must accompany guests and be responsible for them.

4. Guest fee is 50 cents per person daily.

5. All guests must be college age, except when pool is open for members and their families.

6. All University family children under 18 years of age must be accompanied by an adult parent or guardian, who must remain with them.

The Outdoor Pool is heated.

PENN STATE
intercom
Volume 5, Number 36 June 10, 1976

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Senate elects new officers

John J. Coyle, professor and head of the Department of Business Logistics, has assumed the chairmanship of the University Faculty Senate.

Thomas E. Daubert, professor of chemical engineering, has been elected chairman-elect, and Lee W. Saperstein, associate professor of mining engineering, has been elected secretary.



Dr. Coyle



Dr. Daubert

Other election results, announced at the June 1 Senate meeting are:

Guy E. Rindone, Faculty Advisory Committee, Alfred J. Engel, Robert W. Frank and James M. Beattie, Faculty Rights and Responsibilities Committee, with John A. Lucas, Carol-Lynne Schengrund and Henry J. Hermanowicz as alternates.

Arthur J. Marsicano, Arthur O. Lewis Jr. and P. Peter Rebane were elected to the Promotion and Tenure Review Committee. Ernest L. Bergman was elected to a two-year term on the Standing Joint Committee on Tenure, with Evelyn A. Hovanec as alternate, while Roy C. Buck was elected to a one-year term, with William Rabinowitz as alternate.



Dr. Saperstein

Dr. Coyle succeeds Sally S. Small, Berks Campus librarian, as Senate chairman. In accepting the gavel, he urged the Senators to think about issues in the coming year, identify the most critical ones and come up with some solutions.

"I think it's quite important for us not to spend so much time being reactive, but to identify major issues and try to solve the problems which are presented," he said.

The Senate adopted a policy placing definitions to each letter grade and changing the C grade designation from "fair" to "satisfactory."

In other business the Senate:

—Received an informational report on distribution of grades by college and campus from 1973 to 1975. Noting the report indicated a halt in a tendency toward grade inflation, George W. Franz, chairman of the Subcommittee on Grading, said a wide divergence is seen among the colleges and campuses. "This is one area to which we will have to address ourselves in the future," he said.

Summer arts set

Nittany Mountain Summer 1976 will feature the Grimethorpe Colliery Band of Great Britain as a Bicentennial event in the third annual summer celebration of the visual and performing arts June 24-Aug 7 at the University.

The band will perform a concert of light classical music at 8 p.m. Sunday, July 11, in University Auditorium. The Penn State appearance is being supported by the Institute for the Arts and Humanistic Studies.

Another new feature of this year's Nittany Mountain Summer will be a joint reception

(Continued on page three)

175 faculty are promoted

Promotions have been announced for 175 Penn State faculty members. The promotions, effective July 1, are

TO PROFESSOR:

Dr. James B. Anderson, chemistry;

Walter L. Baker, engineering research, (Applied Research Laboratory);

Dr. Frederick Y. Borden, forest resources;

Dr. J. David Boyle, music education;

Dr. Emil J. Burcik, petroleum and natural gas engineering;

Dr. Lester A. Burdette, animal science extension;

Dr. Napoleon A. Chagnon, anthropology;

Dr. Parris H. Chang, political science;

Dr. K. Danner Clouser, humanities (Hershey);

Dr. Paul Edmonston, art education;

Dr. Howard Grotch, physics;

Dr. Kyong T. Hahn, mathematics;

Dr. Chiko Haramaki, ornamental horticulture;

Dr. Sabih I. Hayek, engineering mechanics;

Dr. George Heitmann, management science,

Dr. Samson T. Jacob, pharmacology (Hershey);

Dr. Donald G. James, mathematics;

Dr. Henry C. Johnson, Jr., education;

Dr. Alex D. Keith, biophysics;

Dr. Edward Keynes, political science;

Dr. Edward H. Klevans, nuclear engineering;

Dr. Gerald D. Kuhn, food science;

Dr. Gerard Lallement, mathematics;

Dr. Donald Langmuir, geochemistry;

Dr. Robert D. Lee Jr., public administration,

Dr. Leon F. Lyday, III, Spanish;

Dr. Lowell L. Manfull, theatre arts;

Dr. George J. McMurtry, electrical engineering;

Rex E. Melton, forestry;

Dr. James R. Neely, physiology (Hershey);

Patricia M. Overdeer, mathematics (Ogontz);

Dr. Gary W. Petersen, soil genesis and morphology;

Dr. Howard W. Pickering, metallurgy;

Dr. James D. Rodgers, economics,

Dr. Matthew Rosenshine, industrial engineering;

Dr. Mary E. Sanders, botany (Mont Alto);

Dr. Wayne A. Schutjer, agricultural economics;

Dr. Lila L. Schwartz, educational psychology (Ogontz);

Dr. Richard F. Stoufer, plant pathology (Biglerville);

Dr. Gereld I. Susman, organizational behavior;

Dr. Hoben Thomas, psychology;

David V. Van Dommelen, art education;

Dr. Daniel Walden, American studies;

Robert G. Weaver, English;

Dr. Judith Weisz, obstetrics and gynecology (Hershey);

Dr. Joseph A. Wigley, speech communication;

Dr. Carl H. Wolgemuth, mechanical engineering;

Dr. Sam Y. Zamrik, engineering mechanics;

Dr. John H. Ziegler, meat science.

TO ASSOCIATE PROFESSOR:

Dr. Carter L. Ackerman, engineering research (Applied Research Laboratory);

Dr. Robert D. Arbuckle, history (New Kensington);

Dr. John D. Baildon, mathematics (Worthington Scranton);

John B. Balaban, English;

Dr. Philip H. Baldi, linguistics and classics;

Robert G. Balla, engineering (Wilkes-Barre);

Dr. Gerald L. Bartlett, pathology (Hershey);

August E. Branding, dairy science;

Dr. Thomas A. Brewer, agricultural economics extension;

Dr. Leslie P. Bullock, comparative medicine (Hershey);

Dr. David E. Bull, speech communication;

Harry A. Cerey Jr., extension information;

Dr. Jerry B. Covert, biology (Hazleton);

Dr. Donald D. Davis, plant pathology;

Dr. John J. Docherty, microbiology;

Dr. Caroline Eckhardt, English and comparative literature;

Dr. Peter A. Ferretti, horticulture extension;

Dr. Robert J. Foster, engineering graphics;

Dr. Daniel D. Fritton, soil physics;

Dr. James D. Gallagher, physical education;

Dr. Larry Gamm, community development;

Howard H. Garver, engineering (Altoona);

Walter S. Gearhart, engineering research (Applied Research Laboratory);

Dr. Stephen R. Grecco, English;

Dr. Stanley G. Green, entomology extension (Philadelphia);

Dr. George M. Greene, III, pomology (Biglerville);

Dr. Cyril E. Griffith, history;

Dr. Louise F. Guerney, human development;

Or. Roy H. Hammerstedt, biochemistry;

Dr. George L. Hargrove, dairy science;

Dr. Ian R. Harrison, polymer science;

Dr. Ronald J. Harshbarger, mathematics (Beaver);

Dr. Nathan L. Hartwig, weed science;

Dr. Charles R. Hartzell, III, biochemistry,

Dr. James L. Hodgson, applied physiology;

Alice M. Hottman, labor studies;

Kenneth W. Holt, engineering (Delaware County);

Mervin Hostetler, engineering (Altoona);

Dr. Evelyn A. Hovanec, English (Fayette);

Dr. Robert E. Huff, mathematics;

Or. Ted L. Huston, human development;

Richard D. Ingram, engineering research (Applied Research Laboretory);

Dr. Gary P. Johnson, education;

Dr. Gerald L. Jubb, entomology (North East).

William G. King, landscape architecture;

Dr. Kenneth K. Kuo, mechanical engineering;

Dr. Joseph M. Lambert, mathematics (Berks),

Dr. Chong M. Lee, anesthesia (Hershey);

Dr. Alan A. MacNab, plant pathology extension;

Dr. Helen A. Manfull, theatre arts;

Dr. Richard B. Mansfield, mathematics;

Dr. Morris G. Masi, poultry science extension;

Dr. Peter B. Meyer, economic planning;

Dr. William R. Miller Jr., physics (Capitol Campus);

Dr. H. Arnold Muller, medicine (Hershey);

Dr. M. Eloise Murray, home economics education;

Dr. David J. Myers, political science;

Dr. Robert W. Naismith, biology (Worthington Scranton),

Dr. Robert F. Nicely Jr., education (McKeesport);

Dr. Richard T. Obermeyer, physics (McKeesport);

Dr. William H. O'Donnell, English;

Dr. John J. Olivero, meteorology;

Dr. Peter E. Ostrander, physics (Fayette);

Sara Clemen Parks, dietetics;

Dr. John S. Patterson, American studies and history (Capitol Campus);

Dr. Mark R. Peattie, history;

Dr. Robert A. Pitts, business administration;

Dr. Jerry H. Reybum, agricultural extension;

Emma S. Rocco, music (Beaver);

Alfred Scheub, management development (Berks);

Dr. Ravi Sethi, computer science;

Or. Ross Shiman, biological chemistry (Hershey);

Dr. Raymond F. Shipp, agronomy extension;

Dr. David Smith, chemistry (Hazleton);

Dr. Kathryn T. Starkey, educational psychology (Capitol Campus);

Dr. Bruce M. Stephens, humanities and religious studies (Delaware County);

Kenneth Swisher, forestry (Mont Alto);

Alfred D. Talvola, engineering (Beaver);

Dr. Vicki A. Tillson, sociology (Ogontz);

Smith C. Toulson, III, music;

Dr. Richard E. Tressler, ceramic science;

W. Bruce Trinkley, music;

Dr. Richard Twark, quantitive business analyses;

Dr. James S. Ultman, chemical engineering,

Dr. Beno Weiss, Italian;

T. D. Wilkinson, engineering (Mont Alto);

Laurence L. Yager, agriculturel economics extension;

Dr. Theodore Ziegenfus, biology (New Kensington);

Dr. Vickie L. Ziegler, German.

TO SENIOR RESEARCH ASSOCIATE:

Dr. Daniel L. Bernitt (Computation Center);

Albert F. Niessner Jr. (Applied Research Laboratory);

Or. Hervey S. Piper Jr. (Applied Research Laboratory);

Dr. Dennis W. Ricker (Applied Research Laboratory).

TO ASSISTANT PROFESSOR:

Charles L. Bechman, engineering (Mckeesport);

Linda O. Baltimore, psychology (Wilkes-Barre);

Margot D. Beldon, physical education;

Thomas Brouse, physicel education (Altoona);

John D. Eckman, physicel education (Ogontz);

Robert M. Fryer, business administration (Schuylkill);

Charles Gibbons, art (New Kensington);

Lynn M. Haskin, journelism (Delaware County);

Collen J. Hefferen, consumption and behavior economics;

Allen K. Henry, computer science (Altoona);

Malcolm D. Hill, sociology (Altoona);

Sandra Hinsley, physcal education (New Kensington);

John M. Infield, physical education (DuBois);

Deidre E. Jago, physical education (Hazleton);

Dr. Judith A. Karakewa, biochemistry;

Dr. Edward J. Kelley, physical education;

Kurt Oppelt, physical education;

Dr. James J. Reynolds, methemalics

(Continued on page two)

PENN STATE COLLECTION

Faculty notes



Dr. Klass



Dr. Merrill

Dr. William Merrill Jr., professor of plant pathology, and **Phillip Klass**, professor of English, received the Christian R. and Mary F. Lindback Awards for Distinguished Teaching at spring term commencement exercises. The awards consist of a plaque and a check for $1,000.

Dr. Merrill joined the faculty in 1965 as assistant professor of plant pathology and was named associate professor in 1970 and professor in 1975. His B.S. in forestry was conferred by the University of New Hampshire in 1958, and his M.S. and Ph.D., both in plant pathology, were granted by the University of Minnesota in 1961 and 1963, respectively.

Widely recognized for his teaching methods in the field of plant pathology, Dr. Merrill has developed a series of autotutorial crop disease courses to give students in-depth knowledge in the diagnosis and control of diseases in specific crop areas. These courses are unlike any offered anywhere else in the United States. Enrollments in his beginning classes have increased by 300 percent over the past seven years, and student evaluations of his courses have been the highest.

Mr. Klass was appointed assistant professor of English at Penn State in 1966, named associate professor two years later, and professor of English in 1974.

Widely known to science fiction readers under his pen name of William Tenn, he is the author of more than 150 short stories and articles and ten books, including two anthologies. This year his novel, "Of Men and Monsters," was re-issued as a paperback by Ballantine Books, and a story, "On Venus, Have We Got a Rabbi," has been selected for Best Science Fiction No. 4, an annual best of the year anthology by Terry Carr.

Born in London, Mr. Klass came to the United States at the age of two. While he has entered from time to time in college courses, attainment of an academic degree was never one of his goals, and he does not hold a degree.

As a teacher at Penn State, Mr. Klass inaugurated the Science Fiction course, which he teaches, and revised the course, Advanced Technical Writing and Editing. He played a leading role in setting up the Writing Option in the Department of English and directs the English internship program.

Dr. Joseph P. Giusti, director of the Beaver Campus, received an Honorary Doctor of Letters degree from Saint Vincent College at its May 15 commencement for his achievements in education and public service. Earlier that week, Dr. Giusti was presented with the Benjamin Rush Award of the Beaver County Medical Society for his contributions to health care delivery.

The citation from Saint Vincent hailed Dr. Giusti "as a civic leader and as an educator with an enviable record of publication and administration (who has) demonstrated exceptional professional ability and a strong personal commitment to service of others . . . ." In making the Benjamin Rush Award, the Medical Society noted that Dr. Giusti was being honored for both his local and national voluntary health care activities, which include a three-year term as president of the Board of Directors of the Beaver County Medical Center and his membership on the National Advisory Committee to the Hemolytic Disease Study Group of the National Heart, Blood and Lung Institute.

Dr. Giusti has been director of the Beaver Campus since its establishment in 1965. He has a B.A. from Villanova University and an M.S. and D.Ed. from Penn State.

Benjamin W. Niebel, professor and head of the Department of Industrial and Management Systems Engineering, has been presented the 1976 Frank and Lillian Gilbreth Award of the American Institute of Industrial Engineers. The highest honor bestowed by the AIIE, the Gilbreth Award is given to those individuals who have distinguished themselves by furthering the welfare of mankind through industrial engineering. Prof. Niebel was honored for his classic studies of work measurement and production design.

Prof. Niebel joined the faculty in 1947, and is the author of numerous technical articles. He has written nine books and has served as a consultant to many industries and branches of the government both in the United States and abroad. The AIIA is comprised of 70,000 members in more than 200 chapters throughout the the U.S., Canada and Mexico.

Dr. Barnes W. McCormick, professor and head of the Department of Aerospace Engineering, has been named the recipient of the 1976 Aerospace Division-Educational Achievement Award, sponsored jointly by the American Society for Engineering Education and the American Institute of Aeronautics and Astronautics. The award consists of a certificate and a check for $1,000, and it is bestowed nationally upon a distinguished contributor to aerospace engineering education in recognition of educational achievement and to encourage original, innovative improvements in the field of aerospace engineering. The committee considering nominations for the award cited Dr. McCormick for the new realism he has brought into aerospace education through the introduction of undergraduate courses that allow students to deal with engineering situations similar to those they will face when employed in industry.

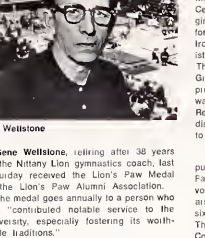
Dr. McCormick has also responded to needs of the aerospace and aviation fields through origination of a two-year associate degree program in Aerospace Engineering Technology at the Penn State Altoona Campus. His major research interests are in the areas of marine propeller design, hydrodynamics, low-speed aerodynamics in general, aerodynamics of vertical flight, aircraft propeller design, aerodynamic noise and the behavior of vortex systems. He is the author of the textbook, "Aerodynamics of V/STOL Flight" and is currently working on a new textbook, "An Introduction to Aeronautics."

Dr. E. Erwin Klaus, professor of chemical engineering, has received the 1975 American Society of Lubrication Engineers National Award. This is the society's highest honor and is given in recognition of outstanding contributions in the field of lubrication. Dr. Klaus received his B.S. in chemistry from Franklin and Marshall College and his M.S. and Ph.D. in chemistry from Penn State. He joined the faculty in 1943 as a research assistant in petroleum chemistry.

In his research, Prof. Klaus has studied temperature, pressure and shear effects on the viscosity of liquids and the mechanism of boundary lubrication using additives, activation analysis and thin layer chromatography to measure surface chemical effects. He has contributed to developing super refining processes for mineral oils and to studies of metal corrosion and the properties of liquids in severe environments. Prof. Klaus was also the first to demonstrate the true lubrication mechanism of tricresylphosphate additives by surface absorption of TCP impurities and subsequent reaction with bearing steels to form organometallic phosphates, contrary to the classical concept of forming low melting iron phosphate alloys.

Dr. Edward R. Fagan, professor of education, was elected vice chairman of the National Council of Teachers of English's Conference on English Education at the April meeting of the conference. He also presented a paper at that meeting entitled, "Using Community-based Resources to Teach Teachers Composition." Another paper, "Censorship: Word Storm," was published in the spring edition of "Journal of Research and Development in Education."

Dr. Drew W. Hyman, assistant professor of community development, and **Dan Griffiths**, research assistant in the Institute for the Study of Human Development, are coauthors of "An Advocate for the People," a monograph on the Pennsylvania Governor's Action Center. The report describes the Governor's Action Center as an innovative experiment in citizen's advocacy and suggests that it might serve as a model for similar programs throughout the nation.



Mr. Wettstone

Gene Wettstone, retiring after 38 years as the Nittany Lion gymnastics coach, last Saturday received the Lion's Paw Medal of the Lion's Paw Alumni Association.

The medal goes annually to a person who has "contributed notable service to the University, especially fostering its worthwhile traditions."

Mr. Wettstone's retirement marks the end to an era unparalleled in gymnastics history. His Nittany Lions have compiled a dual meet record of 201-39-11 and have won nine NCAA championships and 17 Eastern Intercollegiate Gymnastics League titles. Mr. Wettstone's gymnasts have captured 23 NCAA individual championships and 103 EIGL crowns. Nine Penn State gymnasts have been Olympians and three won the Nissen Award given to the country's outstanding graduating senior.

Mr. Wettstone's work is also recognized outside the United States. He was the Olympic coach in 1948 and 1956 and coached the U.S. World Games team in 1970. He will serve as the manager for the 1976 Olympic squad.

A luncheon honoring Gene Wettstone will be held at 12 noon on Saturday, June 26, at the Nittany Lion Inn. Tickets, which are $10 apiece, may be purchased at the Office of the Director of Athletics, Room 238 Recreation Bldg.; at the Office of Gifts and Endowments, Room 116 Old Main; and at Grahams on S. Allen St.

Statistics, though, don't begin to explain Mr. Wettstone's contribution to gymnastics. It is widely recognized that he is the world's number one promoter of the sport, repeatedly staging meets at the University that have mirrored what he thinks the sport is about.

"Gymnastics needs pompoms and rooting sections and bands and noise," he has said. "And it needs people who will promote spectators and not just winning. That's the soil of thing — organizing meets, promoting them — I'd like to get into after I retire."

Dr. Martin S. Stabb, professor of Spanish and head of the Department of Spanish, Italian, and Portuguese, presented a lecture at the University of Missouri on "The Mask of Eros: Notes on Donoso and the New Novel. He also participated in the annual Kentucky Foreign Language Conference at Lexington, Ky., chairing the Latin American Literature Section.

Promotions

(Continued from page one)

(Beaver):

Dr. James L. Rosenberger, statistics;
Gary K. Schwartz, physical education;
Dr. John E. Skeen, wildlife technology (DuBois);
S. Annette Thompson, physical education;
Julian D. Weiss, architecture;
Donald Wharton, English (Altoona).

TD AFFILIATE ASSISTANT PROFESSOR:
F. Lynn Christy, Russian (Dgontz).

TO RESEARCH ASSOCIATE:
Frederick J. Everly (Applied Research Laboratory);
Richard B. Smith (Applied Research Laboratory);
William H. Verily (Computation Center).

TO LIBRARIAN.
Elizabeth G. Ellis, librarian.

TO ASSOCIATE LIBRARIAN:
Nancy M. Cline, reference (documents);
Carole Franklin, arts and music library;
Gordon W. Rawlins, systems development;
Dr. Keith E. Roe, life sciences library.

Dr. Robert Ginsberg, associate professor of philosophy at Delaware County, organized a seminar on "Enlightenment Peace Theories" as part of the Seventh Annual Meeting of the American Society for 18th Century Studies at the University of Virginia in April. He also prepared a paper for the seminar, supported by a grant from the Institute for the Arts and Humanistic Studies, on "Alternatives of Peace Theory: Rousseau, the Abbe de Saint-Pierre, Diotus." **Dr. Bruce Stephens**, assistant professor of religious studies at Delaware County, gave a paper on "Pulpit and Revolution" at the meeting and directed a discussion on the Religious Background to Peace.

The Faculty Congress at Beaver Campus presented the first "Beaver Campus Faculty Award" at a recent Awards Convocation. The recipient of the $500 scholarship award was Jeffrey J. Weimer, a sixth-term chemical engineering student. The award was established by the Faculty Congress to recognize a full-time student with a high level of academic achievement and a promise of continued outstanding academic success. The initial principal was contributed by the Beaver faculty, staff and Campus Women's Association.

Obituaries

Jon N. Weber, professor of mainc geology, died at his home June 1, at the age of 40.

A native of Kitchener, Ontario, Dr. Weber received his B.S. and M.S. degrees from McMaster University, Hamilton, Ontario, and his Ph.D. from the University of Toronto.

He joined the Penn State faculty in 1981 as a research associate in geochemistry. His promotion to professor of mainegeology came in 1974.

Dr. Weber did extensive research on coral formation in the South Pacific and studied the use of coral and sea urchin spines as molds for making human bone, cartilage and coronary artery replacements.

He was the author of more than 150 research publications and in 1971 participated in a Smithsonian Institution expedition to British Honduras.

Dr. Ben Euwema, who served from 1946 to 1963 as dean of the College of the Liberal Arts, died May 22 at the age of 70. He had continued on the faculty as a professor of English until his retirement in 1969.

Dean Euwema also taught at the University of Chicago Evening School, Westminster College, Kent State and Michigan State. At the latter institution he was head of English and director of languages from 1937 to 1946. He held a B.A. in Greek and philosophy from Calvin College, an M.A. in philosophy and English from the University of Michigan and a Ph.D. in English from the University of Chicago.

From 1946 to 1948, Dean Euwema was chairman of the Division of Arts and Sciences of the National Association of State Universities and Land-Grant Colleges. He was the author of "The Social and Ethical Theories of George Eliot" and of "A Year's Work in Composition."

Clarice G. Taylor, director of the Institution Food Research and Services Program from its inception in 1956 until 1967, died May 22. Prior to her appointment at Penn State, where she was also professor of hotel and institution administration, Mrs. Taylor was chief of dietetic administration for the Veterans Administration. She received her baccalaureate degree at North Dakota State University and her master's in nutrition from the University of Maryland. North Dakota State also awarded her an honorary doctor of science degree.

Dale J. Jackson, associate Westmoreland County Extension agent, died May 16 at Greensburg. He was 56. A native of Homestead, Jackson was named to the Cooperative Extension Service staff in 1956. He was a 1942 Penn State graduate. In Westmoreland County, he was active in extension poultry and vegetable programs and youth work and was instrumental in the establishment of the county Interna-tional Farm Youth Exchange Program.

Mortimer selected to head higher education study center

Dr. Kenneth P. Mortimer, professor of higher education and research associate in the Center for the Study of Higher Education at the University, has been named director of the Center, effective on July 1.

He succeeds Dr. G. Lester Anderson, who will retire July 1 with emeritus rank after having served as director since the establishment of the Center in 1969.

A unit of the Office of the Provost, the Center was established to expand, complement, and consolidate the programs of research, education, and service in higher education which have been an integral part of the University's program for many years.

Center personnel are concerned with internal educational operations of the University, develop studies which will enhance the higher education programs of the Commonwealth, and work with the State Department of Education on matters of mutual concern in higher education. They also conduct studies of long-range state and national significance and actively participate in the University's programs of higher education leading to advanced degrees.

Dr. Mortimer has been affiliated with the Center since he came to Penn State in 1969 as assistant professor of higher education and research associate. He served in 1973 as a special consultant to the President of the University.

Before coming to Penn State, Dr. Mortimer was associated with the University of California at Berkeley as a post graduate research educator with the Center for Research and Development in Higher Education and as a U.S. Office of Education Research training fellow. Prior to that he



Dr. Mortimer

served as an administrative assistant in political science at San Francisco State College.

Dr. Mortimer holds an A.B. and a master of business education degree from the University of Pennsylvania. He did graduate work in political science at Hayward College and San Francisco State College and received his Ph.D from the University of California at Berkeley.

Dr. Mortimer is author or co-author of more than 60 publications in the field of higher education. He is a member of the Academy for Academic Personnel Administrators, American Assn. for Higher Education, American Assn. of University Professors, American Educational Research Assn., Assn. of Institutional Research, Assn. of Professors of Higher Education, and Phi Delta Kappa, professional education society.

Heads' duties explained by witness in PLRB hearing

The question of whether department heads should be excluded from any potential collective bargaining unit will continue to be examined when hearings resume Aug. 11 on the makeup of a faculty unit eligible to vote in a representation election at the University.

The hearings, conducted before Hearing Examiner Sidney Lawrence, were called as a result of a petition filed by the Pennsylvania State University Professional Association (PSUPA) for an election to determine whether or not a bargaining agent should represent Penn State faculty and professional staff.

In testimony last week, the question of where is the first level of supervision under Act 195, the public employes' bargaining act, was raised.

Exclude heads

The University's position is that department heads should be excluded as supervisors and managers when viewed in the context of Act 195.

PSUPA's position, as stated by attorney Ronald Watzman, is that "to be excluded from the bargaining unit one must be a supervisor of members of the bargaining unit."

Dean Nunzio J. Palladino of the College of Engineering testified to the responsibilities of department heads with regard to clerical, technical-service, stall exempt, and staff non-exempt personnel and graduate students who are unlikely to be included in a faculty bargaining unit.

He also noted that department heads supervise projects, recruit faculty and make recommendations on faculty hiring, promotions, leaves of absences and other faculty affairs.

Earlier in the hearings, cross examination of Dr. Harry Piyotowky, provost and dean of the College of Medicine, was completed and Robert A. Patterson, senior vice president for finance and operations, testified on the financial arrangements at the medical center and its integrated aspects to the University as a whole

Medical Center petitions

Hearing Examiner Lawrence received a petition from an unspecified number of College of Medicine faculty members stating that they were part of the total faculty of the University and asking that for whatever purposes, including a collective bargaining election, they be considered in that light.

PSUPA is seeking a unit to include all faculty, excluding those in the College of Medicine, and all non-teaching professionals directly retated to the academic and research programs Another faculty organization, the American Association of University Professors (AAUP), seeks a unit including only faculty, but also excluding faculty in the College of Medicine

The University feels the appropriate unit for an election should be a "pure" faculty unit made up of regular full-time faculty at all locations of the University.

Dean Palladino will continue his direct testimony when the hearings resume Aug. 11 in Room 404 Old Main. Mr. Lawrence has scheduled hearings for Aug. 11 through 13 and Aug. 18, 19 and 20.

1,350 were students

Summer term classes began yesterday with an estimated 1,350 new students at University Park. Total enrollment for the summer is expected to approximate that of a year ago when 11,367 resident credit students were attending classes Among the new students are 825 University Park freshmen, with another 90 beginning their work at the Altoona, Delaware County and Dgontz campuses Ninety students have been admitted to University Park with advanced standing status. 190 are former students readmitted; and 210 are transferring from a Commonwealth Campus to University Park.

Business building formally dedicated

The Business Administration Bldg. was formally dedicated on Saturday, June 5.

Dedication ceremonies included an address on Historical Perspectives and Excellence in Business Administration at Penn State: Comments on a Partnership" by Charles W. Shaefler, Baltimore, Md., retired chairman of the boaid of T. Rowe Price Inc., a University trustee, and chairman of the University Fund Council.

Dr. Dowald and Dr Eugene J Kelley, dean of the College of Business Administration, officiated The ceremony was "symbolic of past accomplishments and future opportunities in business and management education at the University," according to Dean Kelley.

The Business Administration Bldg. was first occupied in July, 1973. In addition to faculty and administrative offices, major learning facilities include the Behavioral Learning Center, Computation Center, Independent Learning Center, Case Study Rooms and the College Working Collection

The $2.5 million facility was authorized and funded by the General State Authority of the Commonwealth of Pennsylvania. The architect was Ingram, Kafka, and Maicv, Pittsburgh; general contractor was Boyd H Kline Corporation, Bloomsburg; mechanical contractor was Herre Bros., Inc., Harrisburg; electrical contractor was Harman Construction Co., Bellefonte; landscape architect was Environmental Planning and Design, Pittsburgh; and general landscape contractor was C. F. King, Sunbuiy

Art work offered

Art classes for children and teens began for this summer on Thursday, June 17, at 10:00 a.m. in Chambers Building and continue each Thursday through Aug. 5 at the University

A timited amount of registrations are still available and are being accepted for the six courses offered in this program, which is sponsored by the Department of Art Education Inquiries about and registrations for courses should be directed to Holly Ping, secretary of the department. She can be reached at 865-5601.

Courses offered for the summer program include Creative Arts for the Young, for children aged five and six; and Arts and Crafts, for children aged six and seven. For intermediates, aged eight to twelve, there are three courses: Exploring Sculpture, Drawing and Painting, and Arts and Crafts. For teens there is a special teenage Art Studio workshop.

In addition to full course offerings for children and teens, all students will be offered field experiences to artists' studios on campus and in the nearby State College area, museum and gallery experiences and a coordinated program with various special summer arts events on campus.

Summer arts

(Continued from page one)

from 3 to 5 p.m. Sunday, July 11, in the Museum of Art and the Central Pennsylvania Festival of the Arts, which will show its Juried Crafts Show in the Museum July 6 through Aug. 15. The Arts Festival will be held July 10-18.

The Museum of Art will open its special Nittany Mountain Summer show, "Prints by Pennsylvania Artists," on July 11, with the prints remaining on view through Aug. 22.

The Pennsylvania Ballet, returning for its fourth summer residency at Penn State, will perform a new work in each of its three weekend programs at 8 p.m. on Fridays and Saturdays, July 16, 17, 23, 24, 30, and 31, in University Auditorium.

On the first weekend, the Ballet will perform a stunsnitted work to music of Charles Ives by Lar Lubovitch, whose "Zig Zag" had its American premiere in the 1974 summer program at Penn State.

The second weekend's program will feature the premiere of "Sweet Agony," choreographed by Gene Hill Sagan to contemporary music of Jimi Hendrix and Richie Havens. On the final weekend of its residency, the company will dance the world premiere of a new work by its artistic director, Barbara Mahary, to music performed by the New York Renaissance Band, also returning for its third Nittany Mountain Summer to perform with the Pennsylvania Orchestra.

The nineteenth season of the Festival of American Theatre will include four classic American plays, "Bus Stop," "That Championship Season," "The Golden Apple" and "Little Mary Sunshine," presented in the Playhouse and Pavilion Theatres.

"Bus Stop" opens the season on June 24 and plays through July 4, with "The Golden Apple" July 1-17, "Little Mary Sunshine" July 22-Aug. 7, and "That Championship Season" July 29-Aug. 7. There will be no Monday performances. Saturday matinees at 2:30 p.m. are scheduled for "Bus Stop" July 3, "The Golden Apple" July 10, and "Little Mary Sunshine" and "That Championship Season" July 31 and Aug. 7.

Evening performances are at 8 p.m. except on Sundays, when there is a 7:30 p.m. curtain time. "That Championship Season" is recommended for mature audiences.

The Pennsylvania Orchestra, with the New York Renaissance Band, will offer Wednesday evening "Shirt-Sleeve Concerts" in University Auditorium at 8 p.m. on July 14, 21, and 28.

Also planned are the traditional free informal Nittany Mountain Summer sessions with the artists, actors, dancers, musicians, technicians, and directors.

"At Ease with the Pennsylvania Ballet" will be held at 4 p.m. on Saturdays, July 17, 24, and 31, in University Auditorium. Museum tours will be offered every Friday, Saturday, and Sunday at 1 p.m. July 16-31.

Brochures with detailed program and ticket Information may be obtained at the University Auditorium and Playhouse Theatre box offices or by calling 865-2242. The Festival of American Theatre box office in the Arts Bldg. will open on Monday, June 14, with daily hours from 10 a.m. to 9 p.m. Nittany Mountain Summer box office hours will be 9 a.m. to 4 p.m. Monday through Friday beginning Wednesday, June 16, in the University Auditorium.

Funding sources

For further information, call 865-1372

(220-1) The National Endowment for the Arts (NEA) has issued application guidelines for its **Public Media Program.** Included in the program is "regional development" (Aug. 1 deadline) and "programming in the arts" (Sept. 15 deadline). The NEA also supports "general" public media projects and will award up to $10,000 for them After fiscal 1976, pilot programs may be funded for short film showcasing and post-graduate fellowships. (Ref. 41FR19743-46, 5/13/76) (220-5)

(220-2) Research proposals related to the utilization of sucrose are now being accepted by **The International Sugar Research Foundation, Inc.** Research interests include nutrition and metabolic studies, food technology, development of products, and by-products utilization. Application summaries are due by July 21. (Ref. Foundation Announces)

(220-3) Final regulations for the **Career Education Program** have been issued by the Office of Education. Projects that demonstrate exemplary career education models and state plans for career education will be funded (Ref. 41FR-19635-41, 5/13/76) (CFDA 13 554)

(220-4) The Office of Education announces a June 30 closing date for receipt of special project applications under its **emergency school aid program.** (Ref. 41FR10747-48, 5/13/76) (CFDA 13.532)

(220-5) OHEW has published a "prospects for award notice" for **FY 1976 policy research grant funds.** The Federal Register will carry solicitations when funds are made available. (Ref. 41FR19748, 5/13/76)

(220-6) NASA has issued **Guidelines for Participation in Lunar Programs** (May, 1976). Guidelines include purpose, scope, policy on unsolicited proposals, and procedures for submission. (Ref. Ibid.)

Staff vacancies

Staff vacancies in this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in the INTERCOM may be found in the Penn State REPORTER. All University employees who are interested in promotion may apply by calling the Employment Division, 865-1367 (network Line 475-1367). Applications for those staff vacancies will be received until 5 p.m., **June 17, 1976. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

ADMINISTRATIVE ASSISTANT, INTERCOLLEGE RESEARCH PROGRAMS — University Park

Assist in the preparation and processing of research proposals, preparation of their budgets, maintenance of budgetary controls on research projects, handling of personnel matters, etc. Bachelor's degree, or equivalent, and one to two years experience in research, administration, or their equivalent in other areas

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS — Altoona

Responsible to the Dean of Student Affairs for the area of Student Activities and Cultural Programming. Responsible for scheduling of Union Building, development of a campus Activities Calender, advising student Union Board, and other duties relating to a variety of services and programs as determined by the Dean of Student Affairs Master's degree, or equivalent, in Student Personnel, Counselor Education or related field with one to two years directly related experience.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY/ AFFIRMATIVE ACTION EMPLOYER.

Summer Term 1976 Calendar

The Pennsylvania State University

WEEK OF JUNE 7

Thursday, June 10
ARHS film, "The Longest Yard," 7:30 and 10 p.m., Pollock Rec Room.
Commons Videotape, "You Had to Be There," 12 noon, Kern lobby.

Friday, June 11
ARHS film, "The Longest Yard," 7:30 and 10 p.m., Pollock Rec Room.
GSA Commonsplace Theatre, "Killer's Kiss," 7:30 and 9:30 p.m., Room 112 Kern.
GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, June 12
ARSH film, "The Longest Yard," 7:30 and 10 p.m., Pollock Rec Room.

Sunday, June 13
ARHS film, "The Longest Yard," 7:30 and 10 p.m., Pollock Rec Room.
Free U registration, 1-3 p.m., HUB ballroom.

WEEK OF JUNE 14

Monday, June 14
Penn State Karate Club, 7:30 p.m., HUB ballroom. Demonstration.

Tuesday, June 15
Mime Theatre Workshop, 3 p.m., Room 101 Kern.
Celebration Mime Theatre Duet, "Garbo and Gillian," 7:30 and 9:30 p.m., Room 112 Kern.
Free U classes begin.

Thursday, June 17
ARHS film, "Butch Cassidy and the Sundance Kid," 7:30 and 10 p.m., Pollock Rec Room.
Artists Series film, "Blood and Sand," 8 p.m., University Auditorium.
Commons Videotape, NOVA "Inside the Shark," 12 noon, Kern lobby.

Friday, June 18
HUB Terrace Room, South Sea Isle Special Dinner, 4:45-7 p.m.
Add deadline.
ARHS film, "Butch Cassidy and the Sundance Kid," 7:30 and 10 p.m., Pollock Rec Room.
GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, June 19
HUB Terrace Room, South Sea Isle Special Dinner, 4:45-7 p.m.
ARHS film, "Butch Cassidy and the Sundance Kid," 7:30 and 10 p.m., Pollock Rec Room.

Sunday, June 20
ARHS film, "Butch Cassidy and the Sundance Kid," 7:30 and 10 p.m., Pollock Rec Room.

WEEK OF JUNE 21

Monday, June 21
Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Wednesday, June 23
Festival Theatre, "Bus Stop," student preview, 8 p.m., Pavilion Theatre.
Artists Series film, "The Eagle," 8 p.m., University Auditorium.
History Department Bicentennial Lecture Series, professor Norman A. Graebner on "Colony Perceptions of Freedom," 8 p.m., Room 112 Kern.

Thursday, June 24
Festival Theatre, "Bus Stop," 8 p.m., Pavilion Theatre.
ARHS film, "Everything You Always Wanted to Know about Sex," 8 and 10 p.m., Pollock Rec Room.
Commons Videotape, "Bob Woodward and Carl Bernstein," 12 noon, Kern lobby.

Friday, June 25
File for Pass/Fail.
GSA Commonsplace Theatre, "The Killing," 7:30 and 9:30 p.m., Room 112 Kern.
Festival Theatre, "Bus Stop," Pavilion Theatre. Behind-the-Scenes program, 3 p.m., performance 8 p.m.
ARHS film, "Everything You Always Wanted to Know about Sex," 8 and 10 p.m., Pollock Rec Room.
GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, June 26
Festival Theatre, "Bus Stop," 8 p.m., Pavilion Theatre.
ARHS film, "Everything You Always Wanted to Know about Sex," 8 and 10 p.m., Pollock Rec Room.

Sunday, June 27
Festival Theatre, "Bus Stop," 7:30 p.m., Pavilion Theatre.
ARHS film, "Everything You Always Wanted to Know about Sex," 8 and 10 p.m., Pollock Rec Room.

WEEK OF JUNE 28

Monday, June 28
File for Pass/Fail.
2nd Annual Junior Tennis Tournament, Penn State Tennis Club.

Tuesday, June 29
Drop deadline.
Preregistration deadline.
File for Pass/Fail.
Course repeat deadline.
Festival Theatre, "Bus Stop," 8 p.m., Pavilion Theatre.
2nd Annual Junior Tennis Tournament, Penn State Tennis Club.

Wednesday, June 30
Festival Theatre, "Bus Stop," 8 p.m., Pavilion Theatre.
Festival Theatre, "The Golden Apple," student preview, 8 p.m., Playhouse Theatre
2nd Annual Junior Tennis Tournament, Penn State Tennis Club.
Artists Series film, "Son of the Sheik," 8 p.m., University Auditorium.

Thursday, July 1
HUB Terrace Room, Happy Birthday USA Special Dinner, 4:45-7 p.m.
Festival Theatre, "Bus Stop," 8 p.m., Pavilion Theatre.
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.
2nd Annual Junior Tennis Tournament, Penn State Tennis Club.
Commons Videotape, NOVA "The Case of the Bermuda Triangle," 12 noon, Kern lobby.

Friday, July 2
HUB Terrace Room, Happy Birthday USA Special Dinner, 4:45-7 p.m.
Festival Theatre, "Bus Stop," 8 p.m., Pavilion Theatre.
Festival Theatre, "The Golden Apple," Playhouse Theatre. Behind-the-Scenes program, 3 p.m., performance 8 p.m.
2nd Annual Junior Tennis Tournament, Penn State Tennis Club.
GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, July 3
Festival Theatre, "Bus Stop," 2:30 and 8 p.m., Playhouse Theatre.
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.

Sunday, July 4
Festival Theatre, "Bus Stop," 7:30 p.m., Pavilion Theatre.
Festival Theatre, "The Golden Apple," 7:30 p.m., Playhouse Theatre.





WEEK OF JULY 5

Monday, July 5
Independence Day recess, no classes.

Tuesday, July 6
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.

Wednesday, July 7
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.
History Department Bicentennial Lecture Series, 8 p.m., Room 112 Kern.

Thursday, July 8
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.
ARHS film, "Three Musketeers," 8 and 10 p.m., Pollock Rec Room.
Commons Videotape, 12 noon, Kern lobby.

Friday, July 9
GSA Commonsplace Theatre, "Dr. Strangelove," 7:30 and 9:30 p.m., Room 112 Kern.
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.
ARHS film, "Three Musketeers," 8 and 10 p.m., Pollock Rec Room.
GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, July 10
Festival Theatre, "The Golden Apple," 2:30 and 8 p.m., Playhouse Theatre.
ARHS film, "Three Musketeers," 8 and 10 p.m., Pollock Rec Room.

Sunday, July 11
Festival Theatre, "The Golden Apple," 7:30 p.m., Playhouse Theatre
ARHS film, "Three Musketeers," 8 and 10 p.m., Pollock Rec Room.
Public reception, Prints by Pennsylvania Artists and CPFA Juried Crafts Show, 3-5 p.m., Museum of Art.
Grimethorpe Colliery Band, 8 p.m., University Auditorium.

WEEK OF JULY 12

Tuesday, July 13
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.
University Readers, "Workings," by Studs Terkel, 8:30 p.m., Room 112 Kern.

Wednesday, July 14
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.
Pennsylvania Orchestra Shirt-Sleeve Concert, 8 p.m., University Auditorium.

Thursday, July 15
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.
ARHS film, "Chinatown," 7:30 and 10 p.m., Pollock Rec Room.

Friday, July 16
GSA Commonsplace Theatre, "Paths of Glory," 7:30 and 9:30 p.m., Room 112 Kern.
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.
ARHS film, "Chinatown," 7:30 and 10 p.m., Pollock Rec Room.
GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Pennsylvania Ballet, 8 p.m., University Auditorium.
Tour of Museum of Art, 1 p.m.

Saturday, July 17
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre
ARHS film, "Chinatown," 7:30 and 10 p.m., Pollock Rec Room.
Pennsylvania Ballet, 8 p.m., University Auditorium.
At Ease with the Pennsylvania Ballet, 8 p.m., University Auditorium.
Tour of Museum of Art, 1 p.m.

Sunday, July 18
ARHS film, "Chinatown," 7:30 and 10 p.m., Pollock Rec Room.
Tour of Museum of Art, 1 p.m.

WEEK OF JULY 19

Monday, July 19
Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Wednesday, July 21
Festival Theatre, "Little Mary Sunshine," student preview, 8 p.m., Pavilion Theatre.
Pennsylvania Orchestra Shirt-Sleeve Concert, 8 p.m., University Auditorium.
History Department Bicentennial Lecture Series, professor Merrill D. Peterson, "Thomas Jefferson: The Declaration of Independence," 8 p.m., Room 112 Kern.

Thursday, July 22
Festival Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre.
ARHS film, "Murder on the Orient Express," 7:30 and 10 p.m., Pollock Rec Room.
Commons Videotape, 12 noon, Kern lobby.

Friday, July 23
HUB Terrace Room, In the Good Ole Summer Time Special Dinner, 4:45-7 p.m.
Festival Theatre, "Little Mary Sunshine," Pavilion Theatre. Behind-the-Scenes program 3 p.m., performance 8 p.m.
ARHS film, "Murder on the Orient Express," 7:30 and 10 p.m., Pollock Rec Room.
GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Tour of Museum of Art, 1 p.m.
Pennsylvania Ballet, 8 p.m., University Auditorium.

Saturday, July 24
HUB Terrace Room, In the Good Ole Summer Time Special Dinner, 4:45-7 p.m.
Festival Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre.
ARHS film, "Murder on the Orient Express," 7:30 and 10 p.m., Pollock Rec Room.
Tour of Museum of Art, 1 p.m.
Pennsylvania Ballet, 8 p.m., University Auditorium.
At Ease with the Pennsylvania Ballet, 8 p.m., University Auditorium.

Sunday, July 25
Festival Theatre, "Little Mary Sunshine," 7:30 p.m., Pavilion Theatre.
ARHS film, "Murder on the Orient Express," 7:30 and 10 p.m., Pollock Rec Room.
Tour of Museum of Art, 1 p.m.

WEEK OF JULY 26

Tuesday, July 27
Festival Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre.

Exhibits

Museum of Art:
Through June 30: Selections from the Permanent Collection, Gallery A.
June 22-September 26: American Paintings and Furniture from the Permanent Collection, Gallery A
July 6-August 15: Central Pennsylvania Festival of the Arts Juried Crafts Show, Gallery B.
July 11-August 22: Prints by Pennsylvania Artists.

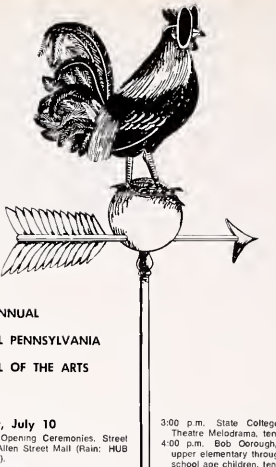
Zoller Gallery:
July 10-18: Central Pennsylvania Festival of the Arts, "Always at the Beginning," Pennsylvania Photographs from the 19th Century. Special hours, July 10-14 noon to 5 p.m., July 15-18 noon to 9 p.m.
August 16-21: M.F.A. Show, Suzanne Glascock, Printmaking; Charles Moore, Printmaking; Jan Mrozinski, Ceramics.

HUB Gallery:
Through July 2: Renascence Gallery Multi-Media Exhibit.
Through July 9: The Hallmark Historical Collection, An History of Greeting Cards.
July 10-August 13: Central Pennsylvania Festival of the Arts: Elementary and Junior High Art.

Kern Gallery:
Through June 13: Dr. Paul Edmonston, "The Look of Peace": A Collection of Photographs.
Through June 13: Architecture of the Eiffel Tower: A Collection of Prints and Photographs.
Through June 13: David Sherman, Bronze Sculpture.
Through June 30: "Artifacts of Penns Creek": As collected by Robert Ooyle and researched by James Hatch and Alan Snavely.
June 14-July 10: Rebecca Kamen and Marilyn Weisensee, Sculpture and Stitchery.
June 14-July 10: Steven Marville, Photography.
July 11-31: Constantine Kermes, Multi-Media-Amish Theme.
July 11-31: Ann Fisher, Paintings and Drawings of Central Pennsylvania Amish.
August 1-21: Aliza Promise, Prints.

Hammond Gallery:
August 1-7: M.F.A. Show, Anthony Herrera, Painting.
August 8-14. M.F.A. Show, Joseph Scopa, Sculpture.

Chambers Gallery:
Through July 1: Wayne Burns, Metal Sculpture.
July 5-22: Four Goldsmiths: Ebendorf, Matsdorf, Lectzin, Skoogfors.
July 26-August 18: Melanie Lynch, Hangings, Marjorie Johnstone, Rugs.



10TH ANNUAL

CENTRAL PENNSYLVANIA

FESTIVAL OF THE ARTS

Wednesday, July 28

Festival Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre
Festival Theatre, "That Championship Season," student preview, 8 p.m., Playhouse Theatre.
Pennsylvania Orchestra Shirt-Sleeve Concert, 8 p.m., University Auditorium.

Thursday, July 29

ARHS film, "I Take the Money and Run," 8 and 10 p.m., Pollock Rec Room.
Festival Theatre, "Little Mary Sunshine," p.m., Pavilion Theatre
Festival Theatre, "That Championship Season," 8 p.m., Playhouse Theatre.
Commons Videotape, 12 noon, Kern lobby.

Friday, July 30

GSA Commonsplace Theatre, "Lolita," 7:30 and 9:30 p.m., Room 112 Kern.
ARHS film, "I Take the Money and Run," 8 and 10 p.m., Pollock Rec Room.
GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Catherine Havens, soprano vocal recital, 8:30 p.m., Music Bldg. recital hall.
Tour of Museum of Art, 1 p.m.
Festival Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre.
Festival Theatre, "That Championship Season," Playhouse Theatre. Behind-the-Scenes program 3 p.m., performance 8 p.m.
Pennsylvania Ballet, 8 p.m., University Auditorium.

Saturday, July 31

ARHS film, "I Take the Money and Run," 8 and 10 p.m., Pollock Rec Room.
Festival Theatre, "Little Mary Sunshine," 2:30 and 8 p.m., Pavilion Theatre.
Festival Theatre, "That Championship Season," 2:30 and 8 p.m., Playhouse Theatre.
Tour of Museum of Art, 1 p.m.
Pennsylvania Ballet, 8 p.m., University Auditorium.
At Ease with the Pennsylvania Ballet, 4 p.m., University Auditorium.

Sunday, August 1

ARHS film, "I Take the Money and Run," 8 and 10 p.m., Pollock Rec Room.
Festival Theatre, "Little Mary Sunshine," 7:30 p.m., Pavilion Theatre
Festival Theatre, "That Championship Season," 7:30 p.m., Playhouse Theatre.

WEEK OF AUGUST 2

Tuesday, August 3

Festival Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre.
Festival Theatre, "That Championship Season," 8 p.m., Playhouse Theatre.

Wednesday, August 4

Late drop deadline.
Festival Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre.
Festival Theatre, "That Championship Season," 8 p.m., Playhouse Theatre.
Theatre performance, "An Historical Review of Music from the Mid 19th Century to the Present," 8 p.m., Room 112 Kern.

Thursday, August 5

Commons Videotape, 12 noon, Kern lobby.
ARHS film, "Oeath Wish," 8 and 10 p.m., Pollock Rec Room.
Festival Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre.
Festival Theatre, "That Championship Season," 8 p.m., Playhouse Theatre.
Theatre performance, "An Historical Review of Music from the Mid 19th Century to the Present," 8 p.m., Room 112 Kern.

Friday, August 6

ARHS film, "Oeath Wish," 8 and 10 p.m., Pollock Rec. Room.
GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Festival Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre.
Festival Theatre, "That Championship Season," 8 p.m., Playhouse Theatre.
Theatre performance, "An Historical Review of Music from the Mid 19th Century to the Present," 8 p.m., Room 112 Kern.

Saturday, August 7

ARHS film, "Oeath Wish," 8 and 10 p.m., Pollock Rec Room.
Festival Theatre, "Little Mary Sunshine," 2:30 and 8 p.m., Pavilion Theatre.
Festival Theatre, "That Championship Season," 2:30 and 8 p.m., Playhouse Theatre.

Sunday, August 8

ARHS film, "Oealh Wish," 8 and 10 p.m., Pollock Rec Room.

WEEK OF AUGUST 9

Wednesday, August 11

History Department Bicentennial Lecture Series, 8 p.m., Room 112 Kern.

Thursday, August 12

GSA Commonsplace Theatre, "1984" and "Animal Farm," 8 p.m., Room 112 Kern.
ARHS film, "2001: A Space Odyssey," 7:30 and 10 p.m., Pollock Rec Room.
Commons Videotape, 12 noon, Kern lobby.

Friday, August 13

ARHS film, "2001: A Space Odyssey," 7:30 and 10 p.m., Pollock Rec Room.
GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
GSA Commonsplace Theatre, "1984" and "Animal Farm," 8 p.m., Room 112 Kern.

Saturday, August 14

ARHS film, "2001: A Space Odyssey," 7:30 and 10 p.m., Pollock Rec Room.

Sunday, August 15

ARHS film, "2001: A Space Odyssey," 7:30 and 10 p.m., Pollock Rec Room.

WEEK OF AUGUST 16

Wednesday, August 18

Classes end.

Thursday-Saturday, August 19-21

Final examinations.

WEEK OF AUGUST 23

Saturday, August 28

Commencement.

Saturday, July 10

8:30 p.m. Opening Ceremonies. Street Dance, Allen Street Mall (Rain: HUB ballroom).

Sunday, July 11

4:00 p.m. "Film As Art 1976," HUB assembly room.
7:00 p.m. Oance films, HUB assembly room.

Monday, July 12

Children's Day

4:00 p.m. Special Feature, "Celebration U.S.A.," National Dance Company, Allen Street Stage (Rain: HUB ballroom).
4:00 p.m. Oance films, HUB assembly room.
7:00 p.m. Oocumentary films, HUB assembly room.
8.30 p.m. Feature film, "Made for Each Other," HUB assembly room.

Tuesday, July 13

International Day

4.00 p.m. Film, "Midsummer Night's Oream," HUB assembly room.
7:00 p.m. Oance films, HUB assembly room.
8:00 p.m. Poetry Reading and Awards, Henderson Human Oevelopment Living Center.
8:00 p.m. State College Music Guild Concert, Music Bldg. recital hall.
8:30 p.m. Film, "Midsummer Night's Oream," HUB assembly room.

Wednesday, July 14

4:00 p.m. Feature film, "Trouble in Paradise," HUB assembly room.
7:00 p.m. Oocumentary films, HUB assembly room.
8:30 p.m. "Trouble in Paradise," HUB assembly room.

Thursday, July 15

2:00 p.m. Student Art Activities, Willard Bldg. lawn.
2:00 p.m. Films on Crafts, HUB assembly room.
4.00 p.m. Film, "The Lady Eve," HUB assembly room.
5:00 p.m. Earl Reinhalter, tent.
6:30 p.m. Youth Band Concert, Old Main lawn.
7.00 p.m. Oocumentary films, HUB assembly room.
7.00 p.m. Bob Oorough and Friends, HUB ballroom.
8.00 p.m. Paul Zimmer, poet, reading from his work, Human Oevelopment Living Center.
8:30 p.m. Little German Band, tent.
9:30 p.m. Outdoor film, "Swingtime," Old Main lawn (Rain: HUB ballroom).

Friday, July 16

10 a.m. Bob Oorough, concert for lower elementary children, tent.
11.00 a.m. State College Community Theatre Melodrama, tent
1.00 p.m Songs Back When with Ernie and Ken, tent.
2-4 p.m. Student Art Activities, Willard Bldg. lawn.
2:00 p.m. Oonna Gibbons Sommese, Pantomime, tent.
2.00 p.m. Films on Crafts, HUB assembly room.
3:00 p.m. State College Community Theatre Melodrama, tent.
4:00 p.m. Bob Oorough, concert for upper elementary through junior high school age children, tent.
4:00 p.m. Film, "Some Like It Hot," HUB assembly room.
5:00 p.m. Jerry Zolten, tent.
6:15 p.m. Rockview Men's Glee Club and Penn Statesman, HUB assembly room.
6:30 p.m. The Silent Way, tent.
7:00 p.m. Opera Society of Central Pennsylvania, Music Bldg. recital hall.
7:00 p.m. "Film As Art 1976," HUB assembly room.
8:00 p.m. Nittany Knights, tent.
9:30 p.m. Outdoor film, "Some Like It Hot," Old Main lawn (Rain, cancelled).

Saturday, July 17

10.00 a.m. Oance Concert for Children, HUB assembly room.
10:30 a.m. State College Community Theatre Melodrama, tent.
11:00 a.m. Gymnastics demonstration, Old Main lawn.
12.00 noon. Fiddlers' Competition, tent, with a performance by Bob Ooyle and the Buffalo Chip Kickers.
12:30 p.m. Dance Concert for Children, HUB assembly room.
1:00 p.m. Gymnastics Oemonstration, Old Main lawn.
2:00 p.m. Silent Comedy films, HUB assembly room.
2-4 p.m. Student Art Activities, Willard Bldg. lawn.
3:00 p.m. Gymnastics demonstration, Old Main lawn.
4:00 p.m. "The Wizard of Oz," HUB assembly room.
6.00 p.m. Renaissance Music under the tent by members of the New York Renaissance Band and Friends, tent.
7:00 p.m. Gymnastics demonstration, Old Main lawn.
7.00 p.m. Oonna Gibbons Sommese, Pantomime, tent.
7.00 p.m. Silent Comedy films, HUB assembly room.
8.00 p.m. Chip and Buddy, tent.
9:30 p.m. Outdoor film, "The Wizard of Oz" Old Main lawn (Rain: HUB ballroom).

Sunday, July 18

12:30 p.m. Beaver Brother's Band, tent
2.00 p.m. State College Symphony Orchestra, Music Bldg. recital hall.
2-4 p.m. Student Art Activities, Willard Bldg. lawn.
2.00 p.m. "West Side Story," HUB assembly room.
3.00 p.m. Madrigal Singers, tent.
4.00 p.m. Four from the Pennsylvania Orchestra, Old Main steps band shell.
4 00 p.m. Locally produced films; a program of films by area filmmakers of all ages, HUB assembly room.
5 00 p.m. Stevie and the Six Packs, tent.
6:30 p.m. Sculpture Competition awards, Festival Raffle drawing, and Centre Regional Consciousness Group awards, tent.
7:30 p.m. The Oance Band, Old Main steps band shell.
9.30 p.m. Outdoor film, "West Side Story," Old Main lawn (Rain: HUB ballroom).

Trustees approve budget, tuition hikes

Maintenance, operations costs estimated at $345,602,000

The Board of Trustees has approved a 1976-77 maintenance and operating budget for the total University of $345,602,000, up from the 1975-76 figure of $318,392,000.

Only 30 percent of the $345,602,000 budget comes from State funds, according to President Oswald.

He also noted that exclusive of funds for the Milton S. Hershey Medical Center, the increase from the current year to the budget proposed for 1976-77 approximates 6.1 percent.

The basic budget of the University, which supports its fundamental programs of teaching and research, amounts to $190,000,000 and is basically supported by tuition from students and from State appropriation funds.

The $190,000,000 figure is determined by elimination of all the self-supporting activities of the University, such as residence hall programs, Hershey's teaching hospital, intercollegiate athletic programs, and many other auxiliary enterprises and also after eliminating some $43 million that the University receives in the form of contracts, grants and gifts in support, primarily, of research.

The trustee action, explained Dr. Oswald, was taken in anticipation of a State appropriation for 1976-77 of not less than the Governor's recommendation of $106,730,000, which included $2,755,000 for medical programs. The University had requested $116,711,000, including $3,690,000 for medical education.

Should the final appropriation be different than the Governor's recommended amount, the budget will be revised accordingly and returned to the Board for its subsequent approval.

"This overall budget," President Oswald continued, "has been carefully constructed by putting together many inter-related building blocks of income sources and critically needed expenditures designed to achieve an appropriate balance to the best interests of the total University."

He said that "faced with a difference of almost $10 million between our appropriation request and the recommendation in the Governor's budget, we needed to achieve a sense of balance among competing priorities. These included unavoidable inflationary costs, the need to maintain sound educational programs, and equitable salary increases.

"The anticipated $10 million gap for the total University," President Oswald continued, "was closed by eliminating proposed expenditure increases of approximately $4.3 million; by making internal budget reductions of $1.4 million; by increased general revenue estimates of approximately $1 million, and by tuition increases estimated to yield approximately $3.3 million.

"In achieving appropriate balance among priorities, it was inevitable that many highly desirable program needs could not be met, but the budget, as approved, does provide for the mandated costs and many of the critical needs."

Provision has been made in the budget for salary increases for employees which approximate 5.25 percent of the current salary base and with the added related fringe benefits approximate a 6.4 percent increase in the compensation base. A portion of the increased funds for salaries will be applied to basic increases and a portion will go for merit increases and promotions. For the past saveral years, strong efforts have been made to correct inequities that may exist. If any remain, they will be corrected in this budget, President Oswald said.

Other urgent needs recognized in the budget, in addition to inflationary pressures, are those to meet changing enrollment requirements. Teaching workload provisions show a budget increase of $990,000; fuel and utility price increases are estimated at $499,000; operation of new facilities at $330,000; and other physical plant costs at $244,000. Other essential needs due to inflation show a $1,662,000 increase over last year's budget.

Effort made to keep tuition at the lowest possible level

Increases in tuition and in room and board charges at the University, effective with the fall term, have received trustee approval.

For Pennsylvania undergraduates at University Park, the tuition increase is $18 per term, or 4.9 percent, while for undergraduates at the Commonwealth Campuses, the increase is $17.

"This reflects a continuing determination I have had to keep any tuition increase to a minimum," President Oswald noted.

Rates for out-of-state undergraduates will be increased by $36 per term at all locations.

The increase for graduate students at University Park and The Milton S. Hershey Medical Center is $43 per term, while for graduate students who are not Pennsylvania residents, the increase at all locations is $61 per term.

The variation in rates between undergraduate and graduate students recognizes the substantially higher costs of graduate education.

For Pennsylvania undergraduates at Capitol Campus, where upperclass work is offered, rates are increased by $25 per term, while the increase for graduate students there and at King of Prussia and Behrend College Graduate Centers is $50 per term. The larger increase at Capitol, it is explained, represents the first step in a four-year program to equalize the Capitol Campus program with that at University Park. The King of Prussia and Behrend College graduate programs likewise will be equalized with those at University Park and at Hershey.

The new tuition schedule, President Oswald explained, is based on the anticipation of a State appropriation of at least $106,730,000, which is the amount recommended in Governor Shapp's budget. Noting that final action on the appropriation has not been taken by the Legislature, he said that any substantial variation in the final appropriation amount could force a later change in tuition rates, but added that he views this as highly unlikely.

Pointing out that three academic terms constitute the academic year at Penn State, President Oswald said that Pennsylvania residents now will pay $1,149 per academic year for undergraduate work at University Park; $1,056 at the Commonwealth Campuses and Behrend College; and $1,080 at Capitol Campus. Out-of-state tuition for undergraduates will be $2,403 per academic year at all campuses.

Pennsylvania graduate students will pay $1,224 per academic year, an increase of 11.8 percent, at University Park and at the Hershey Medical Center, and $1,155 at all other locations. Out-of-state graduate students will pay $2,478 at all locations.

While the Governor's recommendation is some $10 million under the $116.7 million requested, President Oswald emphasized that the tuition increases approved will account for only about a third of the total gap. He said that all possible options to hold tuition increases to a minimum were employed. These included finding new revenues, identifying areas where expenditures might be reduced, and reallocating from existing funds within the University.

"The amount of the tuition increase, therefore, was carefully determined as part of an effort to achieve an optimum balance of mandated and critically needed expenditures and at the same time, given the level of State appropriation, keeping the tuition increase at the lowest possible figure," President Oswald explained.

In the announcement of increases in room and board charges, it was emphasized that no State funds are used at Penn State either for amortization of resident hall facilities built by the University with borrowed money, nor for operating costs, nor to meet the rising costs of food and supplies used in the operation and maintenance of the residence hall units.

The increases announced for the fall vary with facilities, but for an undergraduate in a double room, the increase is $28 per term, bringing the rate for an academic year to $1,473. Single room rates are higher, although rates are lower for the three-person rooms which will be available this year for the first time to help meat the heavy pressure for residence hall accommodations.

Explaining the room and board increases, which amount to less than 40 cents per day, President Oswald said they were essential because of increased operating costs, which include mandated employee benefits. He re-emphasized that room and board charges paid by the student occupant are the only source of funds for residence hall operations.

In addition to the increased tuition rates for full-time students, the trustees increased per credit rates for part-time students. The cost for Pennsylvania residents for undergraduate credits moved from $45 to $48 at University Park; $36 to $41 at Capitol Campus; and $36 to $38 at other Campuses. For graduate credits, the increase is $45 to $51 at University Park and Hershey and $36 to $44 at other locations. Non-Pennsylvanians will pay $100 per credit for undergraduate credits and $103 for graduate credits at all campuses. The former rate had been $96 for both undergraduate and graduate credits.

20 new projects to be financed from undesignated contributions

An allocation of $92,983 in undesignated gift funds contributed to the University by alumni and friends has been approved by the Board of Trustees to make possible 20 different projects and programs.

The largest amount, $36,000, was allocated for financial assistance for students, with $300,000 designated for Alumni Memorial Scholarships and $6,000 for the Re-Creation group, sponsored jointly by the Department of Recreation and Parks and the Office of Religious Affairs. Serving as "ambassadors of Penn State," the group will present programs before recreation agencies, civic organizations, schools, clubs and religious groups throughout the State and the Northeast.

The Board approved $17,500 for enrichment and cultural offerings — $5,000 for the purchase of high quality plastic casts of fossil remains of early man and related primates; $3,000 to support a visit to Penn State on July 11 of an authentic Cotlery Indians Band, sent to this country by the British Bicentennial Secretariat of the Foreign Office; and $5,000 to match a National Endowment for the Arts grant to acquire two or more works by living American artists for the Museum of Art's permanent collection.

A $2,000 grant for the Shenango Valley Campus will support a Bicentennial Art Show in June and a $2,500 grant to the Wilkes-Barre Campus will be used to restore and preserve original works of art and rare objects in Hayfield House.

The trustees approved projects totalling $16,700 to improve the quality of the campus environment. With $2,500 a gazebo for promotion of the performing arts in an open-air setting will be built at the Altoona Campus, and trade union personnel have agreed to donate their time during construction.

A $3,500 grant to the Milton S. Hershey Medical Center will make possible a landscape project between the flag poles, utilizing shrubbery, flowers and benches, while the entrance to Mont Alto Campus will be beautified with a $5,000 grant.

A grant of $1,000 to Worthington Scranton will provide appropriate lighting for the life-sized, cast bronze sculpture, "The University and its Family," done by Oliver LaGrone, who had served as lecturer at Capitol Campus and special assistant to the vice-president for undergraduate affairs.

An outdoor study and picnic area will be made possible at Hazleton with a $2,500 grant for grading, landscaping and purchase of outdoor furniture. At Wilkes-Barre, a $2,200 grant will provide background and front draperies to improve the aesthetic and audio qualities of the auditorium.

New instructional techniques will be facilitated with $3,000, including $3,000 for purchase of photographs to initiate an archival collection for the Department of Art History and $4,000 to make possible publication of a volume of essays by Dr. Carroll C. Arnold, professor of speech communication who is widely known for his work in rhetoric.

A $3,000 grant for Capitol Campus will be used to develop a music studio and $3,000 to the Ogontz Campus will support work on the papers of President Martin Van Buren, conducted by Dr. George W. Franz, assistant professor of history at Delaware County.

Other grants approved provide $983 to purchase equipment needed for the Rite-nour Health Center ambulance and to upgrade the service; $3,800 to be distributed among the Commonwealth Campuses, Behrend College and Capitol Campus to sponsor awards dinner for the Kunkle Awards presentations; and $5,000 for Mont Alto to purchase a small van to transport students to hospitals, schools and social agencies for their internships.

Hershey budget set at $62,001,000

A budget of $62,001,000 for The Milton S. Hershey Medical Center, representing an increase of $10,938,000 over the $51,063,000 budget of the current year, has been approved by the Board of Trustees.

Of the $10,938,000 increase in the budget, only $119,000 comes from the anticipated State appropriation. Nearly all of the increase comes from the increased revenue generated by the teaching hospital and from other sources.

Of the entire $62,001,000 budget, President Oswald explained, only $3,284,000, or 5.3 percent, comes from the State appropriation. In the absence of a State appropriation at this time, the proposed budget was based on the amount per student recommended in Governor Shapp's budget message.

No State money, Or. Oswald reminded, goes into the teaching hospital, which is self-supporting and will have a $28,499,000 budget.

President Oswald explained also that the $62,001,000 budget approved lists $14,671,000 for the College of Medicine; $28,499,000 for the teaching hospital; $10,121,000 for auxiliary enterprises, which like the hospital, are self-supporting; and $8,710,000 in restricted funds, expenditures balanced directly by revenues for the same purpose.

The Board on Friday also approved a major tuition increase of $1,000 per year for medical students, bringing tuition to $3,001 for Pennsylvania students and $5,002 for out-of-state medical students.

"This sharp increase," President Oswald said, "was forced by the absence of any increase in per capita appropriation for medical education. This amount has continued at $7,465 per student for the past five years."

President Oswald noted that the new tuition rates for medical students greatly intensified the need for additional student aid funds and that the new budget includes a provision for this item. One-third of the increased tuition revenue at the Medical Center, or $135,000, will be devoted to student aid.

Salary increases budgeted at the Medical Center amount to 5.25 percent of the salary base, identical to the provisions contained in the over-all budget of the University.

After a number of years of financial difficulties, the teaching hospital now is operating in the black, according to President Oswald, who noted that the budget for the coming year allocates $1,415,000 for facilities and equipment depreciation, which represents 91 percent of the calculated depreciation. For the current year, only $803,000 or about 50 percent, was budgeted.

Buildings named for Carpenter, Ostermayer

The Social Sciences Bldg. at University Park, completed in 1970, has been designated the C. Rey Carpenter Bldg. in honor of the late Clarence Ray Carpenter who served on the faculty from 1939 until his retirement in 1970. Dr Carpenter died March 1, 1975.

He was an internationally recognized scholer in psychology and anthropology and a pioneer in the development of instructional television. His research and scholarly contributions in the area of primate behavior continue to be considered by social scientists as major classics in the field.

During his more than 30 years at Penn State, Dr. Carpenter served in numerous leadership positions. For seven years he was head of the Department of Psychology, and he directed the Instructional Television Research Program which later became the Division of Instructional Services. He played a major role in the planning and in the establishment of WPSX and was executive director of the Planning Committee for The Milton S. Hershey Medical Center.

In addition to approving the naming of the C. Ray Carpenter Bldg., the University's trustees also agreed to the following building designations:

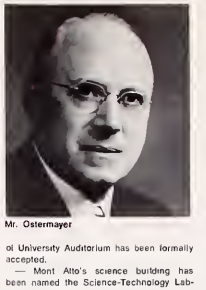
— McKeesport's new science building



Dr. Carpenter

will be named the Ostermayer Laboratory in honor and memory of Robert W. Ostermayer Sr. '17 Former president and chairman of the board of the Pennsylvania Industrial Chemical Corp., Mr. Ostermayer was a member of the McKeesport Campus Advisory Board until his death last year, a "Distinguished Alumnus" of the University and a trustee from 1959 to 1963.

— At University Park, the designation



Mr. Ostermayer

of University Auditorium has been formally accepted.

— Mont Alto's science building has been named the Science-Technology Laboratory.

— An academic and recreational building now under construction at Capitol Campus will be known as the Multi-Purpose Bldg

— Berks' outdoor pavition has been named the Alumni Pavition.

HEW offers nursing ed building grant

Officers of the University have been authorized by the Board of Trustees to accept a grant commitment of $3,563,012 for the construction of a nursing education facility at University Park

Acceptance of the grant, from the Public Health Service, Department of Health, Education, and Welfare, would obligate the University to attempt to identify and put together within a year $1,500,000 in matching funds.

"In view of the generous nature of the grant commitment, which would provide about 70 percent while the matching funds would amount to 30 percent, every effort will be made during the next year to try to put together the matching funds," President Oswald said. He noted that funds from other Federal sources, Appalachia funding, State funds, and also gifts and funds from University sources will be sought.

The construction grant would be offered after the results of bidding have been obtained, construction project costs reports have been submitted, and the Federal concurrence to award the construction contract has been issued.

At present, Penn State has no teaching, laboratory, or research facilities specifically designated for the expanding nursing education program. There are no research project spaces to support the faculty and graduate student scholarly projects essential not only to advance nursing knowledge and competence but also to provide the context essential for a strong graduate program.

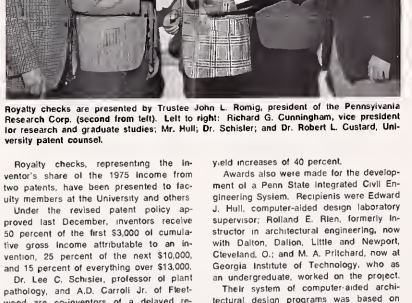
Construction of the building would benefit not only the nursing program, it is explained, but the entire College of Human Development by releasing for other purposes space now used within the College for the nursing program. Approximately 15 percent of the institutional space in the new building would be available for assignment to other programs when not in use for the nursing program.

Space in the College of Human Development is severely limited, and the College is at the top of the priority list for additional building facilities.

The proposed building would include three large classrooms with seats for 100 to 200 students, seminar rooms, and faculty offices.

The award of this grant, commented Dr. Donald H. Ford, dean of the College of Human Development, "is a recognition of the significance of the special focus of Penn State's nursing program which emphasizes positive health care and prevention of illness, as well as care of the sick. The size of the award is a product of the rapid growth of both the undergraduate and graduate nursing programs."

Faculty members get royalty checks



Royalty checks are presented by Trustee John L. Romig, president of the Pennsylvania Research Corp. (second from left). Left to right: Richard G. Cunningham, vice president for research and graduate studies; Mr. Hull; Dr. Schisler; and Dr. Robert L. Custard, University patent counsel.

Royalty checks, representing the inventor's share of the 1975 income from two patents, have been presented to faculty members at the University and others

Under the revised patent policy approved last December, inventors receive 50 percent of the first $3,000 of cumulative gross income attributable to an invention, 25 percent of the next $10,000, and 15 percent of everything over $13,000.

Dr. Lee C. Schisler, professor of plant pathology, and A.D. Carroll Jr. of Fleetwood are co-inventors of a delayed release nutrient for mushrooms which was granted U.S. Patent 3,943,969 Mr. Carroll worked on the nutrient development as his master's thesis under Dr. Schisler. Spawn Mate, Inc., of San Jose, Calif., was granted a five-year exclusive license to develop, field test and market the product. Their field tests show mushroom yield increases of 40 percent.

Awards also were made for the development of a Penn State Integrated Civil Engineering System. Recipients were Edward J. Hull, computer-aided design laboratory supervisor; Rolland E. Rien, formerly Instructor in architectural engineering, now with Dalton, Dalton, Little and Newport, Cleveland, O.; and M. A. Pritchard, now at Georgia Institute of Technology, who as an undergraduate, worked on the project.

Their system of computer-aided architectural design programs was based on improvements of an earlier version developed at MIT and enables architects and engineers to use faster analysis programs in solving their design problems. Project Software Developments, Inc., Cambridge Mass., bought the marketing rights to the Penn State ICES programs from Research Corp., New York, N.Y

Plans accepted

In actions affecting the development of the University's physical plant, the Board of Trustees approved sketch-preliminary plans for site development of the Environmental Sciences Bldg and final plans for an addition to the WPSX-TV studio, both at University Park

Preliminary plans for the Library-Learning Center at Delaware County won approval, as did those for a laboratory building at Beaver Campus and sketch-preliminary plans for a York Campus community center.

The Trustees also agreed to development of a local fund-raising campaign by the Berks Campus Advisory Board for eventual construction of a human development and resources building at the Reading Campus.

Land purchase

Officers of the University have been authorized to purchase the right, title, and interest in, to and through the abandoned Bellefonte Central Railroad property running through University property. Included is the station building on North Atherton, now under a 20-year lease to the Borough of State College for use as a bus terminal. It is expected that the lease would be continued. The authorization granted by the Board of Trustees provides for the purchase in an amount not to exceed $12,500. It is expected funds expended will be restored from net rental income. Rails, ties, fittings, etc. of the railroad, which no longer uses the line into State College, are not included in the purcheses.

Trustee notes

Marsan Ungar "Mimi" Barash, State College businesswoman, and Barbara Hackman Franklin, a commissioner at the U.S. Consumer Product Safety Commission, Washington, D.C., have been elected by alumni of the University to three-year terms as trustees.

Re-elected was Michael Baker Jr. of Beaver, founder, owner, president and chairman of the board of Michael Baker Jr., consulting engineers, who has served for the past 12 years as a trustee and ex president of the Board from 1973 until last January.

Mrs. Barash '53, a native of Kingston, and Mrs. Franklin '62, a native of Lancaster, succeed George H. Deike Jr. of Pittsburgh, who had served on the Board since 1963, and Charles T. Douds of Camp Hill, a member of the Board from 1956 to 1963 and from 1967 to date.

Mrs. Barash is president of Barash Advertising and Morgan Signs of State College and publisher of "Town and Gown" magazine. Active in community affairs, she was the first woman president of the State College Chamber of Commerce and is a Pennsylvania Chamber board member.

Mrs. Franklin, who earned an M.B.A. from Harvard Business School, was elected as first vice-chairman of the U.S. Consumer Product Safety Commission and earlier served as a staff assistant to the President of the United States, recruiting women for top federal jobs. She was also an assistant vice-president of the First National City Bank of New York. In 1972, she was honored as a Distinguished Alumnus of the University.

Stanley G. Schaffer of Pittsburgh and Quentin E. Wood of Oil City were elected, along with two incumbents, to three-year terms on the Board of Trustees at the annuel meeting of delegates of Pennsylvania agricultural and industrial societies on May 27.

The two incumbents returned to the Board are J. Lewis Williams, a Uniontown dairy farmer who has been a trustee since 1955 and currently serves as vice president, and John R. Pitzer, Aspers orchardist and agricultural leader, a Board member since 1973. Mr. Schaffer, president of Duquesne Light Co., and Mr. Wood, president of Quaker State Oil Refining Corp., succeed Frederick J. Close of North Madison, O., and Charles E. Oakes of Allentown, neither of whom sought re-election.

Mr. Wood joined Quaker State as a petroleum engineer aiter graduation from Penn State in 1948 with a B.S. degree. He has served as president and chief executive officer since 1975. Mr. Schaffer, a 1941 graduate of the University with a B.S. in mechanical engineering, has been active in Penn State Alumni Council activities and in 1972 was named a Distinguished Alumnus.

Roberi L. Ruttenberg, of Stone Haven Farm, Limekiln, Berks County, has been confirmed by the State Senate as a member of the University's Board of Trustees. Appointed by Gov Shapp, he replaces Stephen A. Sheller.

Mr. Ruttenberg, who is president of Ruttenberg Travel Service, Reading, is a 1941 Penn State graduate with a B.A. in arts and letters. Active in community affairs, he served as vice chairman of the Reading Airport Authority and was a member of the Mayor's Committee for Industry Affairs in 1969-70. He currently is a member of the Board of Trustees of Kutztown State College.

University trustee Ralph D. Hetzel, who presently serves as dean of the College of Fine and Professional Arts at Kent State University, has been appointed provost oi the California Institute of the Arts. Dean Hetzel, a 1933 Penn State graduate, was assistant to the U.S. Secretary oi Commerce and assistant administrator of the Economics Stabilization Agency during the Truman administration. Prior to his appointment at Kent State in 1971, he served as executive vice president of the Motion Picture Association of America.

The institute is the nation's first and only degree granting private institute oi higher learning devoted exclusively to ell the performing and visual arts.

Press guidelines distributed

Guidelines for working with the press have been distributed by the Department of Public Information and Relations for use by University personnel involved in matters of current or potential public interest.

The guidelines, which were drawn up by Public Information Director Arthur V. Ciervo, outline suggested procedures for handling queries from representatives of the print and electronic media.

They note that in the event of controversy, as well as in routine matters, "It is the Director's responsibility to work with those most directly involved to coordinate the release of news items, respond to inquiries from the news media and to offer counsel as requested or required.

". . . Staff officers receiving a press query should feel free to respond directly, if the request pertains to a matter for which he or she has direct responsibility."

In responding to press queries directly, personnel are offered the following guidelines:

•Clearly identify reporter's name and affiliation. If you feel that the request for information is reasonable, give the press person your full cooperation.

•Be fair, friendly and factual in answering questions.

•Comment on matters only within your area of expertise. Refer the reporter to the public information office for experts in other areas.

•Unless you know the reporter, it is probably unwise to comment on a controversial issue even though the reporter promises not to use your name.

•Personal opinions should be clearly identified as such.

•Don't assume that you will see or hear a story before it is released. If scientific or technical data is involved, you might suggest that the reporter check his or her story with you for accuracy before it is released.

•Be aware that broadcast reporters are usually looking for short, succinct answers to a few questions and respond accordingly.

•If you are talking "off the record," make certain you preface your remarks with a clear statement of such.

Press queries should be referred to the Director of Public Information when:

•The public information office has already been provided information concerning the subject for which the information is being sought.

•The query deals with an area where responsibility lies with or is shared with another administrative area.

•The query deals with a matter of University-wide concern or policy.

The guidelines have been distributed to all members of the President's staff, academic deans and directors of Commonwealth Campuses. Additional copies are available from the Department of Public Information and Relations, 312 Old Main.

Elsewhere in academe

The president of the University of Idaho, Ernest W. Hartung, is resigning effective June 30, 1977, after a 12-year term. President Hartung, noting that the university's budget had failed to keep pace with inflation, said: "I've been increasingly restive over the decline, relatively, of funding for higher education in general, and this institution in particular." He added that he hoped "new leadership might be more successful" in attracting stale funds.

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A new report from the Carnegie Council on Policy Studies in Higher Education foresees that by 1980, 90 percent of the nation's colleges and universities will no longer have substantial building programs. By then, the survey said, all available building funds will be used to rehabilitate old structures.

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The University Council, the main advisory group to the University of Pennsylvania's trustees, defeated a proposal of the university's admissions committee to limit students termed high academic risks. Black and Chicano groups had protested, saying the policy would reduce Penn's commitment to recruiting minority students. The plan would have limited to 5 percent of an incoming class those students whose predicted grade point average was 2.0 or less. (Of this 5 percent, three-fourths would have been economically disadvantaged students, with the remainder drawn from special groups such as athletes, faculty or staff children and "special interest" cases.) Although about 70 percent of the so-called high risk students already admitted are doing passing work, the admissions committee said this was an "unacceptably high probability of failure." Opponents said that with better supportive services, more would pass.

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Freshman enrollments in engineering are up for the second year in a row. There were 75,343 freshmen studying engineering last fall, an 18.8 percent increase over 1974. The number of women entering engineering programs rose 60 percent.

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North Carolina State University has abandoned a policy allowing students to drop a course without penalty after nine weeks — or halfway through the semester. Previously students had had only four weeks' leeway. During the two-year period when the nine-week rule prevailed, the number of courses dropped by North Carolina State students increased from 1,500 to 9,000, and 28 percent of the students had fallen below the average course load needed to graduate in four years. In another policy change, designed to combat grade inflation, university officials restored D and F grades. Students had been receiving grades of A, B, C or "no credit."

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Tuition increases for the 1976-77 academic year have been "reluctantly" approved by Temple University's Board of Trustees. Full-time resident and nonresident undergraduate, graduate and law students will all pay $100 more a year. The increase means that Temple will cost in-state undergraduates $1,300 a year, and graduates, $1,400. Nonresidents will pay $2,500 for either a graduate or undergraduate education. Law school tuition will rise to $1,600 for residents and $3,100 for nonresidents, and the university's other professional schools will add from $150 to $200 to their bills.

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Trustees at the University of Pittsburgh have also voted tuition hikes ranging from $70 a year for undergraduates to $1,000 a year for medical students. Effective next fall, Pitt will charge in-state students $1,210 and out-of-staters, $2,420 at its Oakland and Johnstown campuses. Tuition at the regional campuses will be $1,060 in state and $1,700 for others. Graduate tuition will cost state students $1,280 or $140 more next year. Out-of-state students will pay twice that. Reflecting the higher cost of educating advanced degree students, tuition at Pitt's medical school was increased $1,000 — $3,000 for state students and $5,000 for those from outside Pennsylvania. The cost of a dental education will rise $500 a year — to $2,500 for Pennsylvanians, $4,500 for out-of-staters. Law school tuition will cost $1,400 or $150 more for in-staters and $2,800 or an extra $300 beyond state lines.

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Collective bargaining was rejected by faculty members at the University of Vermont and Northeastern University. The Vermont tally was 319 for no bargaining agent, 141 for the American Federation of Teachers, 10 for the American Association of University Professors and 2 for the National Education Association. No agent attracted 272 votes at Northeastern while 267 opted for NEA. The Northeastern vote was a runoff from an earlier election which eliminated the AAUP.



The Bicentennial Bridge designed and built by civil engineering students was dedicated on Saturday, May 29, at Spring Creek Park, Housersville. The footbridge, based on authentic old-Pennsylvania designs, was presented to College Twp. by Dr. Oswald.

News briefs

UNICARE change

As the costs of medical treatment have increased rapidly over the past few years, the University has absorbed very substantial premium increases in its UNICARE coverage. In 1975-76, alone, the increase for the University's UNICARE coverage amounted to approximately 24 percent.

This sharp rise in premium costs has caused the University to seek continued savings in its method of financing such payments with the University's insurance carrier — the Equitable Life Assurance Society. Under the direction of Robert A. Patterson, senior vice president for finance and operations, and with the assistance of Alexander and Alexander, Penn State's insurance consultant, University administrators have negotiated a new financial arrangement with the Equitable which will permit savings without adversely affecting in any way the benefits provided by UNICARE to faculty and staff members.

One facet of the program is that while all procedures for submitting claims to the Employee Benefits Division, Room 133 Wilfard Bldg., remain unchanged, such claims will be sent by Employee Benefits to the Pittsburgh office of the Equitable for processing. Benefit checks will be issued directly from Pittsburgh, as will notifications of payments made. As in the past, all questions regarding insurance coverage and claims payments should be directed to the Employee Benefits Division.

Junior tennis

The second annual Junior Tennis Tournament, sponsored by The Pennsylvania State University Tennis Club, will be held June 28 through July 2.

Categories for entry will be boys' and girls' 12, 14, 16 and 18 year old singles, and 14 and 18 year old doubles. There will be a double elimination policy. Cut-off date for entry is June 21. The tournament will be held on the hard courts east of the University Indoor tennis building.

Entry forms and information may be obtained through the Club or from Richard Lundy, 201 Ronan Drive, State College. Persons interested in housing out-of-town young people playing in the tournament should contact Dorothy Colton, 237-9527.

Stone Valley rates

Visitors to the University's Stone Valley Recreation Area are reminded of new rates, now effective. Hourly canoe and rowboat rental rates are $1 per hour for students and $1.20 per hour for non-students. Entrance to parking areas is 50 cents per vehicle Monday through Friday and $1 per vehicle Saturday, Sunday and holidays.

Sports entries

Entries will be taken at the Intramural Bldg. (across the street from Shields) from Monday, June 14, to noon, Thursday, June 17, for the following sports: men's fast and slow pitch softball, men's outdoor basketball, and co-rec slow pitch softball. Men's fast pitch will be played on a Tuesday-Thursday schedule. There will be a choice for the other sports of Monday-Wednesday or Tuesday-Thursday. Entrants should be prepared to indicate their preference when they register.

Gas up slowly

Drivers who are only planning to travel short distances on hot summer days would do better not to allow gas station attendants to fill their tanks to the top, Safety Division suggests. When cars are parked in the sun, the gasoline in the tank expands, and if the tank was filled when the temperature was lower, the extra gasoline will be forced out the filler pipe. In addition to wasting fuel, the gasoline is easily ignited by a spark or a carelessly tossed cigarette. Safety Division also suggests that in parking areas located on sloping land, drivers park so the rear of the car is higher than the front.

Golf lessons

Registration for boys' and girls' junior golf lessons will start the week of June 14. For information call the Blue Golf Course shop at 865-7462.

Medical film wins

The first prize in a national medical film festival has been awarded to "Evaluation and Treatment of Sleep Disorders," a 55-minute educational film, produced by the Sleep Research and Treatment Center at the Hershey Medical Center and Amram Nowak Associates of New York. The film was chosen from some 85 entries for the "Walnut Leaf Gold Award" for outstanding contribution to continuing medical education in the John Muir Memorial Hospital Film Festival in Walnut Creek, Cal.

The film is a comprehensive survey of frontiers in sleep research and their clinical applications in medical practice. Its primary goal is to educate and assist the physician in the management of patients with sleep disorders, according to Dr. Anthony Kales, chairman of psychiatry and director of Hershey's Sleep Research and Treatment Center. He narrates the film with his wife, Dr. Joyce Kales, who is co-director of the facility.

PENN STATE intercom

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Convocation hails Bicentennial

The Philadelpha Convocation on Freedom, which will celebrate the Bicentennial with three lectures by nationelly prominent scholars, will be held in Philadelphia's Athanaeum on Thursday, June 17.

The speakers end their topics are: Dr. Paulina Maier, associate professor of history at the University of Messechusetts, on "Freedom, Revolution, and Resistance to Authority, 1776-1976"; Dr. Gordon S. Wood, professor of history at Brown University, on "Freedom and the Constitution"; and Dr. Merrill D. Peterson, Thomas Jefferson Foundation Professor at the University of Virginia, on "Freedom and the Crossroads of Politics: 1789-1801."

The speakers will be introduced by Dr. Norman A. Graebner, distinguished visiting professor of history at the University, who has been directing Penn State's Bicentennial program, "Freedom: Then, Now and Tomorrow." This program was designed to increase public awareness of the challenges confronting a free society and to further public participation in the political process by sponsoring e thousand town meetings throughout the Commonwealth this year.

The project, which is a continuing education service of the Department of History, has also sponsored more then 20 public lectures in Pennsylvania. These have examined a variety of historic and contemporary issues related to the nation's freedom.

Sponsoring the Convocation, in association with the Delaware County and Dgontz Campuses of the University, ere Academy of the New Church, Bryn Mawr College, Bucks County Community College, Cabrini College, Chestnut Hill College, Community College of Philadelphia, Delaware County Community College, Drexel University, Haverford College, Holy Family College, La Salle College, Saint Joseph's College and Temple University.

Wagon Train rolls into State College on June 21

Centre Countians will get their chance to see show

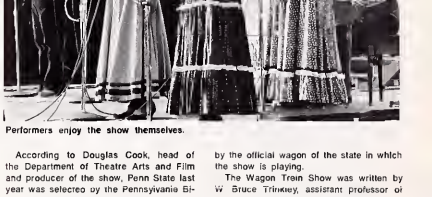
The Bicentennial Wagon Train Pilgrimage to Pennsylvania, accompenied by the colorful Penn State Wagon Train Show, will arrive in State College and University Park Monday, June 21.

Approximately 35 wagons will gether in the fields south of Beaver Stadium for the evening, with entertainment scheduled to begin at approximately 6:15 p.m. The Wagon Train Show, which has made the trek across the country with the Pligrimege, will be performed following e 7 p.m. community sing, led by 4-H members who will be at the University for their annual Leadership Congress.

The program will open with music by the State College High School Band. The Centre Squares will perform square dances at 6:45 p.m. After the Wagon Train Show, scheduled to begin at 7:30 p.m., the Nittany Knights will present a Barbershop Sing.

The Wagon Train Show, featuring a Bicentennial salute to "ordinary people, like you, like me," has been performed in most of the 50 states, as the wagons pulled into such towns es Silver City, Nev.; Mollala, Dre.; Boonville, Mo.; Stonewall, La.; Gila Bend, Ariz.; and Colfex, ia. Five wagon trains have been on the road, each accompanied by a Penn State troupe.

The wagons set out from various points in the country during the past year. Lest summer, the original trains started from Blaine, Wash., and Carson City, Nev. After "wintering over," five trains started again, leaving at various times from Los Angeles, Calif.; Houston, Tex.; Shreveport, La.; Orlando, Fla.; and Fort Laramie, Wyo. The trains picked up an additional wagon as they entered a new state. All five trains will converge July 4 on Valley Forge for a gala final celebration. Wagons from every state, including Hawaii and Alaska, will pull into Valley Forge for the concluding ceremonies.



Performers enjoy the show themselves.

According to Douglas Cook, head of the Department of Theatre Arts and Film and producer of the show, Penn State last year was selecteo oy the Pennsylvania Bicentennial Commission to put together a show that could "be performed for an audience of thousands or for a small group just coming to look over the wagons." The show has been performed before an audience of 25 persons in Mollala, and before 30,000 in a field outside Chicago.

Six college-age performers — in the five troupes, many are Penn State students — dance, sing, end play guitar and piano during the 40-minute salute, which features 12 original tunes.

The show touches on e variety of topics, including parodes, immigration and old-fashioned patriotism. The troupe, which is supervised by a stage manager, performs against e backdrop of wagons, highlighted by the official wagon of the state in which the show is playing.

The Wagon Train Show was written by W. Bruce Trinkley, assistant professor of music; Dr. Roger Cornish, assistant professor of theatre; and Don Tucker, a Broadway lyricist and composer serving as a consultant to the project.

Menuel Duque, assistant proiessor of theatre and tiim, has been responsible for staging the performances. "The finished performances, of course, had to be tlexible enough to adjust to the different locales," he notes. "Although the Conestoga wagons always provided a backdrop for the show, the scenery behind was constantly changing."

In fact, the locations have included Little League fields, rodeo arenas, football stadiums, high school auditoriums (in bad

(Continued on page four)

University co-sponsors black history exhibit

The University is co-sponsoring a mobile exhibit of Pennsylvania's black history which is touring the State.

The mobile van contains rare artifacts, a chronology of black life in Pennsylvania, and an audio-visual exhibit of creative endeavors by the late Paul Robeson, Marian Anderson and other black Pennsylvanians. It is touring the State with the Pennsylvania Bicentennial Human Relations Congress being conducted by the Pennsylvania Conference of the N.A.A.C.P. and the Bicentennial Commission of Pennsylvania.

The exhibit is based on the book, "Pennsylvania's Black History," by Charles L. Blockson, a Penn State alumnus who as an undergraduate played football and held records in the shot put and discus throw. He now is advisory specialist in human relations and cultural affairs for the Norristown School District.

Portfolio Associates, Inc., of Philadelphia publishers of Mr. Blockson's book, designed and fabricated the moving exhibit, which is being displayed in Erie, Pittsburgh, Harrisburg, Scranton and Philadelphia in conjunction with the meetings of the Pennsylvania Bicentennial Human Relations Congress. The trailer was donated by Interstate Construction Co., a division of Westinghouse.

Mr. Blockson owns one of the world's most extensive collections of black memorabilia, including 6,000 rare first editions of books by end about blacks. His contributions to the exhibit include copies of "The Pennsylvania Freeman," e black newspaper published in 1850, slave shackles, end e portion of his rare book collection. A chronological history of blacks in the State recalls the story of black street vendors, who have been selling their wares on Philadelphia straets for more than 200 years.



House Majority Leader, K. Leroy Irvis, opened exhibit.

The exhibit also recounts the dramatic, ingenious, and often amazing escapes of slaves to Pennsylvenia, and tells the story of James A. Bland who wrote the Mummers' Theme, "Golden Slippers," and "Carry Me Back to Ole Virginny." Also included are photographs of the Civil War and an audio-visual exhibit of the works of creative black Pennsylvanians.

"The exhibit and the book, 'Pennsylvania's Black History,' offer blacks throughout the State the chance to become acquainted with our history," says Beverly Harper, president of Portfolio Associates.

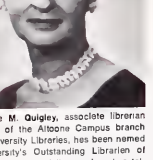
The Pennsylvania Conference of N.A.A.C.P. branches has dedicated the mobile exhibit to the legacy of William "Bill" Powell, black reporter, activist, and member of the N.A.A.C.P., and other black women and men who have dedicated their lives to making Pennsylvania a better place for all citizens, according to Ms. Harper.

The Pennsylvania Bicentennial Human Relations Congress is convening in five communities throughout the state to review past human retations activities and recommend future programs.

The van will visit the New Kensington Campus June 6-8; the Fayette Campus at Uniontown, June 28-July 6; and the University Park Campus, July 15-19. Other locations scheduled are with the Pittsburgh School District, Western Penitentiary, Pittsburgh; Clairton; Johnstown; Federal Prison at Lewisburg; East Stroudsburg State College; Temple University and other locations in Philadelphia.

PENN STATE COLLECTION

Faculty notes



Marjorie M. Quigley, associate librarian and head of the Altoona Campus branch of the University Libraries, has been named the University's Outstanding Librarian of the Year. The award "recognizes her talent for organization, her commitment to serving the needs of students and faculty, and her generous giving of herself for the good of the wider University community."

Mrs. Quigley, who will retire on June 30, has been with the University since 1960, when she began as an instructor in library science at Altoona. Before coming to Penn State, she was an assistant librarian at the Boise, Idaho, Public Library, and the Oeschutes County Library, Bend, Ore. She holds a B.A. in English from the University of Oregon and a B.S. in library science from the University of Washington Library School.

Dr. Arnulf Muan, professor of mineral sciences, will become associate dean for research in the College of Earth and Mineral Sciences on July 1. He succeeds Dr. Maurice E. Bell who plans to retire on June 30.

Dr. Muan has been a member of the faculty since 1955. He headed the Department of Geosciences until 1974. At that time, he resigned as department head to devote full time to teaching and research. He received his diploma in chemistry at the Technical University of Norway at Trondheim in 1948 and a Ph.D. in geochemistry at Penn State in 1955. His major research interests include heterogeneous equilibria at high temperatures, thermodynamics at high temperatures with special emphasis on oxide systems, and the application of these principles to mineralogy, to slag and refractory problems and to the use of materials in high-temperature environments.

He is the author or co-author of more than 100 articles in technical journals and served as president of the Mineralogical Society of America in 1974-75

Dr. Moylan C. Mills, assistant professor of English, became the fifth recipient of the annual Ogontz Campus Award for Outstanding Teaching during commencement exercises, May 27, when 54 associate degrees and 23 baccalaureate degrees were awarded. The award was established in 1972, and recipients are selected by a committee of the Ogontz Faculty Senate from nominees submitted by students and faculty. A 1952 Penn State journalism graduate, Dr. Mills received his master's degree in English from the University in 1957. He worked as a newspaper reporter, book editor and advertising account executive before his appointment to the Ogontz faculty in 1959. He received his doctorate in English from the University of Pennsylvania in 1974.

A teacher of humanities and the arts, as well as English, Dr. Mills is also coordinator of the English department at Ogontz; Liberal Arts representative for the extended degree program in Letters, Arts and Sciences; and works with the Educational Opportunity Program. He has served as chairman of the Ogontz Faculty Senate, as a member of the University Senate and the University Council, and as co-chairman of the Eastern regional faculty development symposium.

Four additional sabbatical leaves have been approved at the University. **E. Lynn Miller,** associate professor of landscape architecture and assistant dean for research, Arts and Architecture, will be on leave winter and spring terms. He plans to do research in the United Kingdom on Humphrey Repton, a famous 18th century landscape architect and to work with the Civic Trust, a non-profit organization which encourages and provides expertise for community and neighborhood revitalization.

Benjamin H. Pubols Jr., associate professor of anatomy at Hershey, will be on leave from September, 1976, to March, 1977, to work in the laboratory of Dr. George L. Gerstein, a member of the faculty of the Interdepartmental Institute of Neurological Sciences.

Murray D. Budney, assistant professor of humanities and French at Capitol Campus, will revise his translation of Baudelaire's "The Spleen of Paris" during a fall and winter term leave. **George D. Wolf,** dean of faculty and professor of American studies and history at Capitol, plans to be on leave from July through December to complete a book on Pennsylvania politics in the Scranton era.

Dr. Patricia Farrell, associate professor of recreation and parks, has been named head of the Recreation and Parks program in the College of Health, Physical Education and Recreation. She succeeds Dr. Tony A. Mobley, who will become dean of the School of Health, Physical Education, and Recreation at Indiana University at Bloomington.

Dr. Farrell, who served for nearly three years as affirmative action officer at the University before returning to her faculty position last year, received her B.S. and D.Ed. at Penn State. She holds an M.Ed. from the University of Minnesota. She was the 1975 recipient of the McKay Donkin Award, given annually to a faculty or staff member who has contributed most to the economic, physical, mental or social welfare of the University faculty.

Before joining the Penn State faculty in 1967, she served as assistant director of public recreation in Harrisburg, program director of the Shawnee 4-H Northern Illinois University, and assistant professor at the University of New Hampshire.

Ray A. Grove, who has been a mechanical engineer with the Naval Surface Weapons Center, Silver Spring, Md., since 1968, has been named a research assistant with the Applied Research Laboratory. He is a graduate of the University of Rochester with a B.S. in mechanical engineering and has been enrolled for graduate work at the University of Maryland.

Dr. Robert J. Graham, associate professor of humanities and American studies, has been appointed program head in humanities at Capitol Campus effective July 1. He replaces **Dr. Richard Fichter,** professor of English and humanities at Capitol, who is returning to full-time teaching and research duties.

Dr. Lloyd A. Morley, associate professor of mining engineering, has been named chairman of a new mining safety standards subcommittee of the Standards Committee of the Industry Applications Society of the Institute of Electrical and Electronics Engineers, Inc. The subcommittee is to develop mining industry electrical safety standards to be used by the Federal Mining Enforcement and Safety Administration, which is responsible for safeguarding the health and safety of miners.

Dr. Francis M. Dwyer, senior research associate of education and coordinator of instructional evaluations in the University Division of Instructional Services, has been appointed to the National Science Foundation's Committee on appraisal of programs submitted in the Technological Innovations in Education Program. The program provides support for the development of innovative computer and related communication technologies and systems designed to improve the quality and efficiency at all levels of education.

Dr. Winston A. Richards, associate professor of mathematics and statistics at Capitol Campus, has been assigned by the Secretariat of the Organization of American States to offer technical assistance to the Government of Trinidad and Tobago this summer. He will advise the Ministry of Finance's planning and development staff and also offer a statistics course at the University of the West Indies. Dr. Richards has bachelor's and master's degrees in mathematics from Marquette and an M.A. and Ph.D. in mathematics from the University of Western Ontario.

Dr. John H. Pazur, professor of biochemistry, is presenting a paper at the annual meeting of the Canadian Federation of Biological Societies this week. He will discuss his work on the preperation and properties of antigalactose and anti-lactose antibodies specific for antigens from bacterie and tumors. The studies are of special importance in relation to the possible detection and treatment of some tumors by immunological means.

Three Berks County faculty members will spend the summer working on projects at University Park as part of the University's Faculty Interchange Program. **Dr. Stanley D. Furrow,** assistant professor of chemistry, will continue research on oscillating chemical reaction. **Denton A. Stetly,** assistant professor of engineering, will teach in a three-week practicum in industrial practices offered to associate degree candidates in Manufacturing Engineering Technology. "Adaptational Biology of the Feral Hogs of Ossebow Island, Georgia," is the title of the study which is being undertaken by **Dr. Siamalis M. Zervanos,** assistant professor of biology. He will collect data on energy metebolism, food requirements end water end salt balance for both captive animals at University Park and wild animals at the Georgia site.

Dr. Kenneth H. Messner, chief of ophthamology at Hershey, has been elected to a three-year term as director of the Pennsylvania Academy of Ophthamology and Otolaryngology, a statewide association of eye, ear, nose and throat physicians.

H. C. Neuhaus, instructor in journalism at Wilkes-Berre, received the ninth annual Heyfield Award of the Campus's Student Government Association. The award is presented to the faculty member whose academic and co-curricular contribution to the student body has been judged as "the most outstanding" for the academic year.

R. Thomas Berner, assistant professor of journalism, is assisting Ben H. Bagdikian, the noted media scholar, in a newspaper survival study. The study is aimed at describing what factors make for prosperity in American daily newspapers and what factors lead to decline. It is funded by the John and Mary R. Markie Foundation of New York City and administered by the American University of Washington, D.C. Mr. Berner is studying 13 newspapers in Pennsylvania and three in New York.

Dr. H. K. Henisch, professor of physics and a member of the staff of the Materials Research Leboratory, will be session chairman and keynote speaker at an International Conference on Thermally Stimulated Processes, to be held at Montpellier, France, June 22-26. The workshop is organized by the Center for Studies on the Electronic Properties of Solids, Academy of Montpellier. Dr. Henisch will speak on the design of experiments and their interpretation, in the light of recent findings on the behavior of relaxation semiconductors.

Dr. Henisch, who is also professor of the history of photography, has been elected a Fellow of the Royal Photographic Society of Great Britain. The society is the oldest photographic society in the world and was founded in 1853 by Roger Fenton, one of the early photo-journalists. Its object is to promote and maintain high photographic standards. Fellowship is the highest rank of society affiliation, and fellows are elected on the basis of a portfolio of 15 photographs, published research papers and books, and, where applicable, a record of educational and professional activity in the field.

Stanley J. Nowak Jr., instructor in English at Ogontz, has been named Chief Ogontz of 1976, the highest honor bestowed on a faculty member by the Ogontz Campus student government organization. He was awarded the Chief's medallion at Honors Convocation, together with a citation which recognizes "dedication, inspiration, educational ideals, active participation, and outstanding contributions to student life."

Emerson L. Grindell, professor of engineering research at the Applied Research Leboratory, has received a 25-yeer service award from the University.

A graduate of Olivet College with an A.B. in physics, Prof. Grindell earned an



M.S. in mathematics at Michigan State University. His research interests have encompassed applied mathematics, underwater ecoustics, underweter missile engineering and shock and vibration studies.

Active in area community activities, he served as president of the Optimist Club and is a member of the Juniata Valley Council Executive Board of the Boy Scouts. He was also a national council representative and Nittany Mountain District scout chairman. Prof. Grindall served as a member of the State College Area Schools' Self Evaluation Committee, of the State College Athletic Board of Control and of the Community Development Council.

Prior to coming to Penn State, he was a high school teacher and principal in Michigan.

Dr. Kent Forster, professor of European history and head of the Department of History, presented an invited lecture at the Army, Navy and Generals' Staff College at Fort Leavenworth, Kan., on "Finnish High Command Decision-Making, 1939-1944."

Dr. Robert C. Block, assistant professor of biology at Delaware County, is the author of an article, "Indoleacetic Acid Synthesis in Soybean Cotyledon Callus Tissue," published in the March issue of "Plant Physiology."

Stephen P. Lagoy, assistant professor of criminal justice at Delaware County, coauthored an article, "An Empirical Study on Information Usage of Prosecutorial Decision Making in Plea Negotiation," which appeared in a special symposium issue of the "American Criminal Law Review."

Eight faculty members from the Department of Biochemistry and Biophysics participated in the American Society of Biological Chemists meeting in San Francisco, Calif., June 6-10. They were: **Dr. Nathan Aronson,** associate professor of biochemistry; **Dr. Stephen Fahnestock,** assistant professor of biochemistry; **Dr. Roy Hamerstedt,** assistant professor of biochemistry; **Dr. Charles Hartzell,** assistant professor of biochemistry; **Dr. F. Frank Imlefte,** professor of biochemistry; **Dr. Richard McCarl,** professor of biochemistry; **Dr. Allen Phillips,** professor of biochemistry; and **Dr. Paul Werme,** assistant professor of biochemistry.

Dr. Irwin Richmen, professor of American studies and history at Capitol Campus, presented a peper, "The Vernacular House in a Changing Landscape," to the Society for Architectural Historians in Philedelphia last month.

"Time Deepening and the Future of Leisure" was the topic of **Dr. Geoffrey Godbay,** associate professor of recreation and parks, at the 103rd Annual Forum of the National Conference on Social Welfare, which is being held this week in Washington, D.C.

Dr. Luis F. Gonzatez-Cruz, associate professor of Spanish at New Kensington, presented an invited paper at the 1976 Spring Methodology Workshop on Foreign Language Teaching at Indiana University of Pennsylvania. His topic was "Guidelines and Idees to Boost College Enrollment in Foreign Language Classes."

Dr. A. James Liedtka, associate professor of medicine (cerdiology) at Hershey, presented a paper, "Hyperthermic Insult to Ischemic Myocardium: Implicetions of Fever as an Energy Draining Process in Myocardial Infarct," at the national meetings of the American Federation for Clinical Research.

300-year-old lost technique is rediscovered

When Dutch microscopist Antonie van Leeuwenhoek discovered bacteria in 1676, he reported the finding to the Royal Society of London but refused to reveal his technique and took the secret he called his "particular method of observing" to his grave.

Now, a Penn State microbiologist, Dr. L. E. Casida Jr., has rediscovered Leeuwenhoek's probable method and believes the lost 300-year-old technique might aid in the search for life on Mars.

Leeuwenhoek's secret, says Dr. Casida, was the use of a simple form of dark field illumination, a type of lighting that produces an image in which the background is totally black and the bacterie appear as bright, white, moving spots.

Dr. Casida has shown that Leeuwenhoek probably achieved this dark field by causing a beam of sunlight or candlelight to strike the sample from behind at a 45 degree angle. By holding the microscope (which was nothing more than a tiny magnifying glass mounted between two brass plates) close to his eye, the bridge of his nose would block out any stray, unwanted light, Dr. Casida explains.

Dr. Casida points out that in order to observe anything as small as bacteria, Leeuwenhoek must have used a technique for increasing the contrast between the bacteria and the water in which they were suspended in order to enhance the effectiveness of his exquisitely ground but very low power lens. Dark field illumination would be the best method for doing this, Dr. Casida says, but the proof that it was actually Leeuwenhoek's secret lies in the Dutchman's own words.

In describing his observation of red



L. E. Casida Jr.

blood cells, Leeuwenhoek wrote that they appear like "sand grains that one might bestow upon a piece of black taffety silk" or white on black — exactly the image produced by dark field illumination. Dr. Casida notes that Leeuwenhoek also stated that his secret did not concern his microscope design, but was related to his "particular method of observing" — additional support for the use of dark field illumination.

It is the ability of dark field illumination to enhance observation at low power magnifications that Dr. Casida believes might be able to aid in the search for life on Mars. Modern high magnification microscopes have been banished from the remote control Martian landings because they are heavy, bulky and difficult to manipulate by remote automation.

"Perhaps by using Leeuwenhoek's secret, we could send a lightweight, low power microscope that would get around the weight, complexity and automation problems," the Penn State scientist notes.

Dr. Casida, who is internationally known as the discoverer of several types of bacteria and as the developer of two widely accepted methods of sample preparation for the electron microscope, has been pondering Leeuwenhoek's secret for nearly 15 years. A lifelong photographic hobbiest, he originally thought that Leeuwenhoek must have projected the image from his microscope. Nevertheless, he eventually came back to the more widely accepted view that some form of dark field illumination probably was involved. But if was only after he abandoned efforts to apply modern microscope theory to Leeuwenhoek's tools that he found the Dutchman's method.

Dr. Casida says that while testing some other ideas, he suddenly had the notion that the secret was the precise placement of the light. "I shifted the light around to various ecute angles and finally it worked," he says.

Dr. Casida did his original experiments on a modern Leitz Orthoplan microscope set for 100 or 250 fold magnifications but with its condenser removed. He later repeated the observations with three low power magnifiers including an exact replica of a Leeuwenhoek microscope supplied by the American Society for Microbiology.

His results will be detailed in the June 25 issue of the journal, "Science." The project was supported, in part, by a grant from the National Aeronautics and Space Administration.

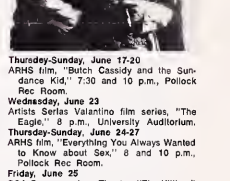
Calendar

Special events

Thursday, June 17
Commons Videotape, NDVA, "Inside the Shark," 12 noon, Kern lobby.
Friday, June 18
HUB Terrace Room, South Sea Isle Special Dinner, 4:45-7 p.m.
GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Saturday, June 19
HUB Terrace Room, South Sea Isle Special Dinner, 4:45-7 p.m.
Monday, June 21
Bicentennial Wagon Train Pilgrimage to Pa., 6:15 p.m., field south of Beaver Stadium. Penn State Wagon Train show, 7:30 p.m.
Wednesday, June 23
Festival Theatre, "Bus Stop," student preview, 8 p.m., Pavilion Theatre.
Thursday, June 24
Commons Videotape, "Bob Woodward and Carl Bernstein," 12 noon, Kern lobby.
Festival Theatre, "Bus Stop," 8 p.m., Pavilion Theatre.
Friday, June 25
GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Festival Theatre, "Bus Stop," Pavilion Theatre. Behind-the-Scenes program, 3 p.m.; performance 8 p.m.
Saturday-Sunday, June 26-27
Festival Theatre, "Bus Stop," Pavilion Theatre. Saturday at 8 p.m., Sunday at 7:30 p.m.

Films

Thursday, June 17
Artists Series Valentino film series, "Blood and Sand," 8 p.m., University Auditorium.



Thursday-Sunday, June 17-20
ARHS film, "Butch Cassidy and the Sundance Kid," 7:30 and 10 p.m., Pollock Rec Room.
Wednesday, June 23
Artists Series Valentino film series, "The Eagle," 8 p.m., University Auditorium.
Thursday-Sunday, June 24-27
ARHS film, "Everything You Always Wanted to Know about Sex," 8 and 10 p.m., Pollock Rec Room.
Friday, June 25
GSA Commonsplace Theatre, "The Killing," 7:30 and 9:30 p.m., Room 112 Kern.

University schedule

Friday, June 18
Add deadline.
Friday, June 25
File for Pass/Fail.

Meeting

Monday, June 21
Color Slide Club, 7:30 p.m.

Seminars

Friday, June 25
Materials Sciences, 10:45 a.m., Room 301 Mineral Industries. Dr. Dennis W. Ready, Energy Research and Development Administration, Washington, D.C., on "Materials Problems in Advanced Energy Systems."

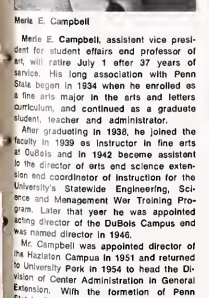
Lectures

Wednesday, June 23
History Department Bicentennial Lecture Series, Dr. Norman A. Graebner, distinguished visiting professor of history, on "Colony Perceptions of Freedom," 8 p.m., Room 112 Kern.

Exhibits

Museum of Art: Selections from the Permanent Collection. American Paintings and Furniture from the Permanent Collection, opening June 22.
HUB Gallery: Renascence Gallery Multi-Medie Exhibit. The Hellmark Historical Collection, A History of Greeting Cards.
Chambers Gallery: Wayne Burns, Metal Sculpture.
Kern Gallery: "Artifacts of Penns Creek"; As collected by Robert Doyle and researched by James Hatch and Alan Snavely. Rebecca Kamen and Marilyn Weisensee, Sculpture and Stitchery. Steven Merville, Photography.

Retirements



Merle E. Campbell

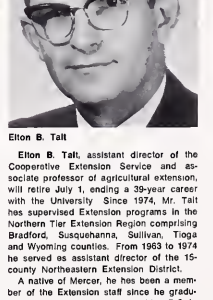
Merle E. Campbell, assistant vice president for student affairs and professor of art, will retire July 1 after 37 years of service. His long association with Penn State began in 1934 when he enrolled as a fine arts major in the arts and letters curriculum, and continued as a graduate student, teacher and administrator.

After graduating in 1938, he joined the faculty in 1939 as instructor in fine arts at DuBois and in 1942 became assistant to the director of arts and science extension and coordinator of instruction for the University's Statewide Engineering, Science and Management War Training Program. Later that year he was appointed acting director of the DuBois Campus and was named director in 1946.

Mr. Campbell was appointed director of the Hazleton Campus in 1951 and returned to University Park in 1954 to head the Division of Center Administration in General Extension. With the formation of Penn State's Commonwealth Campus system in 1958, he was appointed dean of student affairs for Commonwealth Campuses. In 1966 he was also named acting director of student affairs for the University. He was appointed to his present post in 1972.

Mr. Campbell's continuing involvement in the arts has been evidenced by his sponsorship of Artists Series programs and art exhibitions for the Commonwealth Campuses and by the continuing emphasis he has given to the support, improvement and expansion of locally-based cultural programming efforts. He has played a significant role in the growth and development of the Commonwealth Campus System in the area of student affairs, he has been the principal architect of staff planning and development for the campuses and of liaison-coordination arrangements between University Park and its branches.

His retirement plans include a vigorous return to the painting easel, travel, entiquing and the active pursuit of early Americana. He and his wife, the former LaGene McEntire of New Castle, plan to maintain their residence in State College.

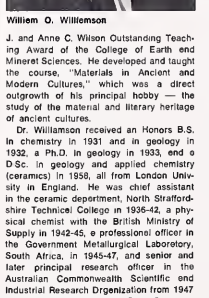


Elton B. Tall

Elton B. Tall, assistant director of the Cooperative Extension Service and associate professor of agricultural extension, will retire July 1, ending a 39-year career with the University. Since 1974, Mr. Tall has supervised Extension programs in the Northern Tier Extension Region comprising Bradford, Susquehanna, Sullivan, Tioga and Wyoming counties. From 1963 to 1974 he served as assistant director of the 15-county Northeastern Extension District.

A native of Mercer, he has been a member of the Extension staff since he graduated from Penn State in 1937 with a B.S. in animal husbandry. He earned his M.S. in rural sociology at Cornell. Prof. Tall served for six years as assistant county agent in Centre, Huntingdon, Blair, Lycoming and Sullivan counties before becoming Extension radio editor in 1943. Later he also took charge of work in television, continuing with these duties until 1960, when he was appointed to the newly-created position of training director, where he served until his promotion to assistant director in 1963.

Dr. William D. Williamson, professor of ceramic science, will retire on June 30 with emeritus rank after 17 years of service. Last year he received the Matthew



Willem O. Willemson

J. and Anne C. Wilson Outstanding Teaching Award of the College of Earth and Mineral Sciences. He developed and taught the course, "Materials in Ancient and Modern Cultures," which was a direct outgrowth of his principal hobby — the study of the material and literary heritage of ancient cultures.

Dr. Williamson received an Honors B.S. in chemistry in 1931 and in geology in 1932, a Ph.D. in geology in 1933, and a D.Sc. in geology and applied chemistry (ceramics) in 1958, all from London University in England. He was chief assistant in the ceramic department, North Staffordshire Technical College in 1936-42, a physical chemist with the British Ministry of Supply in 1942-45, a professional officer in the Government Metallurgical Laboratory, South Africa, in 1945-47, and senior and later principal research officer in the Australian Commonwealth Scientific and Industrial Research Organization from 1947 to 1959, when he came to Penn State.

He has published in the fields of petrology, microstructure and rheology of explosives, surface phenomena, ancient material technology, and various aspects of ceramic science and engineering. His primary research interests are inorganic surface chemistry, the relations of microstructures to properties in ceramic materials, and the high-temperature reactions of such materials.

In retirement, Dr. Williamson plans to continue learning and teaching by sitting in on courses and seminars and making himself available to serve as an invited lecturer. He and his wife recently became U.S citizens and will continue to live in State College.

Elsewhere in academe

Total enrollment at state and land-grant universities increased 6.25 percent in the fall of 1975, according to a survey by the National Association of State Universities and Land-Grant Colleges' Office of Research and Information. An increase of 18.2 percent in the enrollment of first-time freshmen accounted for more than a third of the total increase. Together, state and land-grant schools enrolled approximately 3.3 million students in fall, 1975, almost 30 percent of the total U.S. higher education enrollment of 11,240,187.

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The preportionete financial burden on individual families with children in college has eased, according to a report on "The States and Higher Education," compiled by the Carnegie Foundation for the Advancement of Teaching. The report, which compared outlays for higher education in 1929 with current levels, concludes that "the net cost of higher education per student to the family — for subsistence and tuition — has actually gone down in constant dollars by about 9 percent." This has happened during a period when per capita real income has nearly tripled. "Thus," the report continues, "the comparative burden, per student, on the average family now, compared with the average family with college students then, has gone down by about two-thirds." Tuition has risen, but only about one-third as fast as per capita real income, and taxpayers are assuming an increasing portion of higher education's financial burden as governments at both state and federal levels have boosted their outlays from $1.6 billion in 1929 to $25 billion today.

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Thomas Jefferson University graduated 217 new physicians on June 11, the largest medical school class in Pennsylvania history. Thirty four of the new doctors were members of the Penn State-Jefferson five-year cooperative program.

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The states in general get high marks for their support of higher education and will play even more important roles in the future, according to another report from the Carnegie Foundation. Wisconsin, the study found, ranks highest in effort — the percentage of state personal income spent on higher education. Alaska is first in concern — expenditures per full-time-equivalent student in public institutions. South Dakota led in competitive position — a comparison of activities supported by state expenditures; and neighboring North Dakota ranked first in an index of states' fiscal capacities to support higher education. In his analysis, the foundation said that support of public research universities in many states has declined in the past 15 years in relation to support for other institutions of higher education. States that have reduced their comparative expenditures on research universities are clustered in the Midwest and include Kansas, Kentucky, Michigan, Missouri, Tennessee and Wisconsin. States which have increased expenditures were mostly located in the South and include Arkansas, Georgia, Maryland and Mississippi.

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George Dennis O'Brien will take office July 1 as 12th president of Bucknell University. Dean of the faculty and professor of philosophy at Middlebury College, Dr. O'Brien previously taught at the University of Chicago, Princeton and LaSalle. He succeeds Charles H. Watts 2d, who resigned after 12 years as president and who will become president and chief executive officer of the Wolf Trap Foundation, Vienna, Va.

Funding sources

For further information, call 655-1372

(227-1) The OHEW National Institute of Education (NIE) has issued proposed regulations for the Basic Skills and Research Grants Program (deadline June 24) and the Education and Work Grants Program (deadline July 9). Basic Skills involves research in: teaching, learning, issues in the validity of educational measurement, design and analysis problems of educational research and evaluation, and law and education. Work Grants involves research in the career decision-making process and pre-occupational interests and occupational preferences. (Ref. 41FR18518-22, 18539; 5/5/76) (CFDA 13.579)

(227-2) The OHEW Office of Human Development (OHD) has issued proposed regulations for program and grants administration of head start, technical assistance and training, and research, demonstration and pilot projects. (Ref. 41FR76605-16, 5/5/76) (CFDA 13.600)

(227-3) The OHEW Office of Education (OE) has issued final regulations for its Program for the Gifted and Talented, including assistance to state and local educational agencies for planning, development, operation and improvement of programs; state and local education training, leadership personnel training, and model projects. (Ref. 41FR-18550-73, 5/6/76) (CFDA 13.562)

(227-4) The NFAH National Endowment for the Arts Visual Arts Program has issued guidelines for fellowships in crafts for FY 1977 and an application deadline and grant calendar. Deadlines range from Oct. 1, 1976, through Jan. 1, 1977, for 10 programs, each of which is discussed. (Ref. 41FR18720-29, 5/6/76)

(228-4) The U.S. Department of Justice Law Enforcement Assistance Administration (LEAA) will fund innovative programs to divert juvenile offenders from formal court processing and incarceration. Urban areas with large populations are the target (Ref. C&U Repts No. 570)

(229-4) Final criteria for the selection of applicants for the Career Training Program have been issued by the OHEW Office of Education. Criteria include: instructions program, community-based education; institutional application, multi-cultural orientation, diagnostic-prescriptive teaching, school-staff focus, collaborative decision making and training for systematic adaption of research findings. (Ref. 41FR17955-57, 4/29/76)

(229-1) The National Institutes of Health (NIH) have released a Guide to NIH Programs and Awards (March 1, 1976) containing program information and award mechanisms. (Ref. OHEW Pub. No. (NIH)76-33)

(229-2) A special report, Federal Funding for Agricultural Projects, has been issued by the Office of Federal Programs, a unit of the American Association of State Colleges and Universities. Programs of federal support for agriculture, in addition to those of the U.S. Dept. of Agr., are included. Program categories include: agricultural economics, education, and technology; animal science, range and wildlife management; and plant and soil sciences (Ref. C&U Repts. Sept. 1976)

(229-3) The OHEW Office of Education has issued final regulations for grants and contracts under the Consumer's Education Program. Included are: consumer demonstration, and pilot projects furnishing consumer education to the public. OE will also fund pre-service and in-service training programs for teachers, technical assistance projects, and distribution systems of educational materials. (Ref. 41FR21191-95, 5/24/76)

(229-4) The NFAH National Endowment for the Arts has published FY 1977 application guidelines Jazz Folk Ethnic Music. The application deadline is Dec. 1, 1976. The next deadline is expected to be October. (Ref. 41FR21225-57, 5/24/76)

(226-5) Architecture + Environmental Arts grants guidelines have been issued by NFAH/NEA, including a grant activities information chart for eight programs. Deadlines range from June to December (Ref. 41FR21419-32, 5/25/76)

(229-6) Final regulations for the National Reading Improvement Program have been published by the OHEW Office of Education. The program includes: reading improvement projects, state reading improvement programs, special reading projects, reading academy program, and state leadership and training projects. The closing date for this last program is June 28. (Ref. 41FR21453-75, 5/26/76) (CFDA 13.553)

(229-7) The OHEW Office of Education has published interim final criteria and a June 28 deadline date for FY1976 applications under its programs of Public Service Education Fellowship and Institutional Grants. (Ref. 41FR21501-04, 5/26/76) (CFDA 13.555)

(229-8) The Andrew W. Mellon Fellowship Program (Vatican Film Lib., Plus XII Memorial Library, Louisiana State Univ., 3655 W. Pine, St. Louis, Mo 63108) offers per diem and travel expenses to post-doctoral scholars wishing to work with the film library collection in St. Louis for a period of less then a month to a semester. A major portion of the Vatican's library of Latin, Greek, Arabic, Ethiopic and Hebrew manuscripts are available at the library. Applications consist of a budget, a curriculum vitae, a description of proposed research, a publication list (including samples) of the applicant's work and three letters of recommendation from persons qualified to judge the applicant's scholarship and technical skills. Application deadlines are Aug. 1 and Nov. 1, 1976, and April 1, 1977. For further information, write to address given above.

(229-9) Woodrow Wilson International Center for Scholars (Room 321, Smithsonian Institution Bldg., Washington, D.C. 20560) invites applications from post-doctoral scholars wishing to work in Washington using its facilities for 4-12 months. Space, facilities and sometimes stipends are available. The next application deadline is Oct. 1. For further information, write to address given above.

WPSX highlights

In 1936, black American track star Jesse Owens won four gold medals in the Berlin Olympics but was reportedly snubbed by Hitler. In 1951, Mr. Owens returned to Berlin, and the city gave him his overdue acclaim. Mr. Owens' experiences in both 1936 and 1951 are documented on **The Olympiad** at 9 p.m. on Thursday, June 17. The hour-long program, subtitled "Jesse Owens Returns to Berlin," may also be seen at 10 p.m. on Sunday, June 20.

"Should We Choose Our Presidents Differently?" That is the question raised when William F. Buckley, Jr., talks with political writer Richard Reeves on **Firing Line** at 7 p.m. on Saturday, June 19. Mr. Reeves believes that the faults of the political system, magnified by the use of television, push the least offensive candidate to the top. The discussion centers around his book, "A Ford, Not a Lincoln."

The Alec Guinness Film Festival continues at 9 p.m. Saturday, June 19, when **Theatre Three** presents "The Lady Killers." This 1956 film teams Guinness with Peter Sellers in a story about an improbable band of thieves, who find that the basis is thwarted by the refined lady with whom Guinness has taken lodgings.

A contest of wills is the focus of "Mozart in Seattle" at 9 p.m. on Monday, June 21. This hour-long documentary follows conductor Milton Katims and violinist Henryk Szeryng as they prepare for a performance of Mozart's "Sinfonia Concertante." The program may also be seen at 10 p.m. on Wednesday, June 23.

Scientist Paul Berg discusses his career and his research with host Gil Aberg on **Talkabout** at 10 p.m. on Monday, June 21. Dr. Berg, who recently came to Penn State as an Alumni Fellow, has done extensive research on genetics, cancer and hereditary disease. **Talkabout** may also be seen at 5 p.m. on Tuesday, June 22, and at 12 p.m. on Saturday, June 26.

Choreographer Eliot Feld's "Tzaddik" is featured on **Dance for Camera** at 10 p.m. on Tuesday, June 22. Set to music by Aaron Copland, the ballet features Mr. Feld in the title role of a bearded "tzaddik" or righteous men, accompanied by two disciples.

American poet Archibald MacLeish talks with Bill Moyers on **Bill Moyers' Journal** at 10 p.m. on Thursday, June 24. Mr. MacLeish discusses the spirit of the American republic, his impressions of the founding fathers, and such diverse subjects as the law, God, age and the city of Paris.

News in brief

Valentino film series

The great silent film star, Rudolph Valentino, will light up the screen in University auditorium during a Valentino Film Series sponsored by the Artists Series this month.

Thursday, June 17, he co-stars with Lila Lee and Nita Naldi in "Blood and Sand," the 1922 epic based on Ibanez's novel about a doomed Spanish matador. The second show, "The Eagle," will be screened on Wednesday, June 23. Vilma Banky and Louise Dressler can also be seen in this tale set in the court of Catherine the Great. Concluding the series on Wednesday, June 30, will be "Son of the Sheik" with Vilma Banky and Agnes Ayres. Produced in 1926, this film is acknowledged as Valentino's finest.

All showings will be at 8 p.m., and tickets for non-students are available at the door for $1.

Sports entries due

Entries will be taken at noon in the Intramural Office, Intramural Bldg., between Monday, June 21, and Thursday, June 24, for tennis singles' tournaments for both men and women and for mixed doubles. Registrations for men's handball singles and men's and women's racquetball singles will also be accepted.

HUB Billiard Room open

The HUB Billiard Room, which is air conditioned, is now open on the ground floor of the HUB. Faculty and staff are welcome. Phone 865-6839 for reservations.

Luau at the HUB

The HUB Terrace Room will be the scene of a South Sea Isle Luau from 4:45 to 7 p.m. on Friday and Saturday, June 18 and 19. Diners may sample Chicken Vaiiki (fruited chicken), Molokai Steak (pepper steak), Hehlau (baked flounder with coconut), Steamship Round of Beef, Leg of Lamb with Minted Sauce, or Hewaiian Ham Hui (fruited ham). Among the more unusual vegetabia dishes are Ula (sweet potatoes with pineapple) and Makamae (mixed vegetables with rice). There will be live entertainment, and the Terrace Room is air conditioned.

"Bus Stop" opens June 24

William Inge's comedy hit, "Bus Stop," opens the 1976 Festival of American Theatre's 19th consecutive professional season Thursday, June 24, in the Pavilion Theatre. The play, which ran for 60 weeks in New York in 1955, was Inge's third hit in a row, following his dramas, "Come Back, Little Sheba" and "Picnic."

"Bus Stop" takes place in a Kansas roadside diner where a busload of passengers have had to shelter for a night until snowplows can open up the road that's been closed by a severe snowstorm. The play focuses on the romance of Cherie, a slightly tarnished nightclub singer, and Bo Decker, e young cowboy who has his own ranch and his own strong-arm ideas about romance. Dorothy Ernster will play Cherie and Mark Robinson, Bo.

Others in the cast include Archie Smith, Sarah Rush, Deborah S. Steen, John Swearingen, Adrien Lanser and J. P. Bumstead. The play is being directed by Jim O'Connor, with costumes by Douglas Maddox, costume designs by Kurt Wilhelm, and lighting design by Charles H. Firmin.

"Bus Stop" runs June 24 to 27 and June 29 to July 4, with a matinee performance July 3. Curtain times are at 8 p.m. for Tuesday through Saturday evenings, 7:30 p.m. on Sundays and 2 p.m. for the matinee. Tickets may be reserved by phoning 865-1884 from 10 a.m. to 9 p.m. daily.

Wagon train

(Continued from page one)

weather), parking lots, fair grounds and shopping centers.

The vast technical details of the show have been the responsibility of Douglas Maddox, associate professor of theatre and film. He has designed and supervised the building of various portable stages that have been carried with the show. Nc technicians travel with the companies.

Costumes, designed to blend with the train and surroundings, were designed by Montez King, costumer at the University's Theatre Arts Production Studio. She created a "prints and ginghams look," with a color scheme of red, yellow, and brown.

The show has been well received end local media have praised both the songs end the performers.

Staff vacancies

Staff vacancies in this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in the INTERCOM may be found in the Penn State REPORTER. A University employee interested in any position may apply by calling the Employment Division, 865-1357 (network Line 475-1357). Applications for those staff vacancies will be received until 5 p.m. **June 24, 1976 DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

AREA REPRESENTATIVE, CONTINUING EDUCATION — The Campus

Responsible for the functions of development, organization, operation, and administration of continuing Education programs and services within assigned geographical district. Bachelor's degree or equivalent with two to three years of directly related experience in business, industry or education.

ASSISTANT PROGRAM COORDINATOR, COLLEGE OF AGRICULTURE — University Park

Coordinate and make arrangements for assigned programs, to include rooms and travel arrangements for participants, lecturers, and exhibitors. Monitor expenditures to the budget and keep budget and clear the same through the Contracts Office. Present information on program policies for staff, facilities are requested. Be responsible for planning program activities and publicity literature. Prepare, assemble and distribute program information and reports. Bachelor's degree or equivalent preferably in the field of social sciences, plus one to two years of directly related experience in the coordination and/or administration of education programs.

MEDICAL SOCIAL WORKER I — Hershey

Responsible to the Social Services Coordinator to serve as part of the health care team in providing practical help and emotional support to patients and their families. Bachelor's degree in social work or equivalent, with one to two years of experience in social work.

MANAGER, AMBULATORY SERVICES — Hershey

Responsible to Assistant Hospital Director for the administration and coordination of the Outpatient Department, the Emergency Care Unit and the Ambulant Care Unit. Bachelor's degree or equivalent, with 3 to 4 years of directly related experience.

PENN STATE intercom

Volume 5, Number 38 June 24, 1976

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Calendar

Special events

Thursday, June 24
Commons Videotape, "Bob Woodward and Carl Bernstein," 12 noon, Kern lobby.
Festival Theatre, "Bus Stop," 8 p.m., Pavilion Theatre.
Thursday-Sunday, June 24-27
ARHS film, "Everything You Always Wanted to Know about Sex," 8 and 10 p.m., Pollock Rec Room.
Friday, June 25
Interlandia Folk Dance Club, 7:30 p.m.-midnight. HUB terrace and ballroom.
U.S. Men's Final Olympic Trials, Rec Bldg. 7 p.m.: warm-ups; 8 p.m., compulsory exercise competition.
Festival Theatre, "Bus Stop," Pavilion Theatre. Behind-the-Scenes program, 3 p.m.; performance 8 p.m.
GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
GSA Commonsplace Theatre, "The Killing," 7:30 and 9:30 p.m., Room 112 Kern.
Saturday, June 26
U.S. Men's Final Olympic Trials, Rec Bldg. 7 p.m., warm-ups; 8 p.m., optional exercise competition; 10 p.m., presentation of U.S. Men's Olympic Gymnastics Team and dance and celebration.
Saturday-Sunday, June 26-27
Festival Theatre, "Bus Stop," Pavilion Theatre. Saturday at 8 p.m., Sunday at 7:30 p.m.
Tuesday, June 29
Festival Theatre, "Bus Stop," 8 p.m., Pavilion Theatre.
Wednesday, June 30
Festival Theatre, "Bus Stop," 8 p.m., Pavilion Theatre.
Festival Theatre, "The Golden Apple," student preview, 8 p.m., Playhouse Theatre.
Artists Series film, "Son of the Sheik," 8 p.m., University Auditorium.
Thursday, July 1
Commons Videotape, NOVA "The Case of the Bermuda Triangle," 12 noon, Kern lobby.
HUB Terrace Room, Happy Birthday USA Special Dinner, 4:45-7 p.m.
Festival Theatre, "Bus Stop," 8 p.m., Pavilion Theatre.
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.
Friday, July 2
HUB Terrace Room, Happy Birthday USA Special Dinner, 4:45-7 p.m.
Interlandia Folk Dance Club, 7:30 p.m.-midnight. HUB terrace and ballroom.
Festival Theatre, "Bus Stop," 8 p.m., Pavilion Theatre.
Festival Theatre, "The Golden Apple," Playhouse Theatre. Behind-the-Scenes program 3 p.m.; performance 8 p.m.
GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Saturday, July 3
Festival Theatre, "Bus Stop," 2:30 and 8 p.m., Playhouse Theatre.
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.
Sunday, July 4
Festival Theatre, "Bus Stop," 7:30 p.m., Pavilion Theatre.
Festival Theatre, "The Golden Apple," 7:30 p.m., Playhouse Theatre.

Seminars

Friday, June 25
Materials Sciences, 10:45 a.m., Room 301 Mineral Industries. Dr. Dennis W. Ready, Energy Research and Development Administration, Washington, D.C., on "Materials Problems in Advanced Energy Systems."

University schedule

Friday-Tuesday, June 25-29
File for Pass/Fail.
Tuesday, June 29
Drop deadline.
Preregistration deadline.
Course Repeat deadline.

L.A. gets two new programs

Two new bachelor of science degree programs have been established in the College of the Liberal Arts, one in economics and one in public service

Both of the new majors will be offered, beginning with the fall term, according to Dr. Stanley F. Paulson, dean of the College of the Liberal Arts. He points out also that both programs have been approved by the University Faculty Senate and both can be offered without additional financial support.

The new major in economics would provide students with a more technically oriented set of courses and experiences than the existing program that leads to the bachelor of arts degree, although the extensive requirements in the humanities, sciences and social sciences would be maintained.

The new program would not require the extensive course work in business areas which is presently mandated by the joint program with the College of Business Administration.

The bachelor of arts degree program in public service, as now offered through the Department of Political Science, has a strong liberal arts background. However, a significant and growing number of public service jobs require administrative, quantitative and conceptual skills that are not possible to incorporate in the bachelor of arts degree program.

The new bachelor of science degree in public service has been structured to coexist with the present bachelor of arts public service program, but with a stronger emphasis on quantitative and conceptual skills.

'The Golden Apple' opening July 1

"The Golden Apple" begins the musical portion of the 1976 Penn State Festival of American Theatre when it opens in the Playhouse at the University Thursday, July 1. The musical, which premiered on Broadway in 1954, won that year's New York Drama Critics Circle Award as best musical.

"The Golden Apple" is a unique musical in its complete use of music and dance to tell the Homeric legend of Ulysses and Helen of Troy in a 1900, turn-of-the century setting in Angel's Roost, Washington. In this updated version, Ulysses is a happy farmer, devoted to his loving and faithful wife, Penelope. Helen turns out to be their daughter, a girl who can't say no to men, especially Paris, the traveling salesman from the big, wicked city of Rhododendron. He whisks Helen away in his gaudy balloon, and Helen's family and friends, distraught at her leaving, send a group of Angel's Roost farm boys and Ulysses to fetch her home. Of course, all sorts of complications arise, including a war (in the form of a boxing match) between Ulysses and Paris, the appearence of Circe and her spellbinding golden apple, and the wrongdoings of Hector, the mayor of Rhododendron. But the two make it safely back, and Ulysses is reunited with his Penelope.

Paul Farin as Ulysses, Mergeret Benczak as Penelope/Circe, David Brooks as Hector, and Frances Barnes as Mother Hare, a gypsy-like character with prophetic powers, are members of Actors' Equity, the professional actors' union. Sheila McCarthy portrays Helen and David G. Hodge plays Paris.

(Continued on page two)

News briefs

HUB Bicentennial special

Happy Birthday, U.S.A., a special dinner in honor of the Bicentennial, will be offered at the HUB Terrace Room from 4:45 to 7 p.m. on Thursday and Friday, July 1 and 2. Typical American entrees will include steamship round of beef, barbecued chicken, fantail gull shrimp, braised lamb with wine sauce, roast pork with cornbread dressing and grilled chopped steak with blue cheese sauce. There will be fresh whipped potatoes and baked potatoes, plus sauteed Penn State mushrooms, stuffed tomatoes, broccoli with hollandaise and Indian squaw corn. As a bonus, the new Terrace Room is air conditioned.

July 3, 4 and 5 the HUB will shut down completely, so there will be no meal service at either the Lion's Den or Terrace Room.

Film critics wanted

Audio Visual Services is constantly in search of faculty or staff interested in evaluating preview films for possible purchase. If you are interested, please fill in the form below and send to Sam Graci, Room 17 Willard Bldg. Your name will be placed in a permanent file, and you will be notified when preview films arrive in your particular area of interest.

Name: . . . . . .
Title: . . . . . .
Campus Address: . . . . . .
Campus Phone: . . . . . .
Particular Areas of Interest: . . . . . .
. . . . . .

Maple Room serving

The Maple Room dining facility on the ground floor of Henderson Human Development will be open for lunch and, for the first time, dinner during summer term. Meals will be served Monday through Thursday, lunch from 11:45 a.m. to 12:45 p.m. and dinner from 5:15-6:15 p.m. Meals are prepared by students as part of the Food Service Program.

Fishing know-how offered

Faculty or staff interested in learning the techniques of fly tying, stream strategies, aspects of casting and the know-how needed to catch trout and enjoy fly fishing might like to register for a Fly Fishing Workshop, which will be held at the University Park Campus on Friday, June 25. The one-day workshop is a continuing education service of the College of Health, Physical Education, and Recreation.

Angling instruction will be supplied by Joseph Humphreys, assistant professor of physical education and a devotee of the fisherman's art for the past 40 years. The day will begin at 9 a.m. with a casting demonstration and individual basic instruction. Participants will then learn to build a leader and tie basic knots. Mr. Humphreys will also discuss water temperature — how it can help in locating fish — and deal with stream strategy. He will devote the remainder of the day to working with individuals.

To register, contact Continuing Education, Room 309 Shields Bldg., 865-3443.

Inn food service shut July 5

There will be no regular food service at the Nittany Lion Inn on Monday, July 5; however, a limited breakfast will be available for guests at the hotel.

Olympic trials this weekend

Thirteen semi-finalists are competing in the U.S. Men's Final Olympic Trials to be held in Rec Bldg. this weekend, Friday and Saturday, June 25 and 26. Warm-ups will begin at 7 p.m. both evenings, followed on Friday by the compulsory exercise competition at 8 p.m. Saturday at 8 p.m., the optional exercise competition will be held, and at 10 p.m. the 6-member U.S. Men's Olympic Team will be presented, and there will be a dance and gala to celebrate, with music by The Tarnished Six. One $4 ticket will gain you admittance to both evenings' events and may be purchased at the Rec. Bldg. box office or at the door.

Nittany Summer box office open

The Nittany Mountain Summer box office in University Auditorium is now open for sale of tickets for the Grimethorpe Colliery Band concert, Pennsylvania Ballet performances, and Shirt-Sleeve Concerts by the Pennsylvania Orchestra.

The box office is open weekdays from 9 a.m. to 4 p.m.

The Pennsylvania Ballet has announced a programming change for its Nittany Mountain Summer residency. In the first weekend of performances, the ballet "Eakins' View," choreographed by Rodney Griffin to music by Charles Ives, will replace the previously announced new work by Lar Lubovitch.

"Eakins' View" is a kaleidoscopic look at the world of Philadelphia painter Thomas Eakins, who was born in 1844. Today Eakins is considered one of America's greatest painters, but in his lifetime he suffered hostility and obscurity.

The Central Pennsylvania premiere of "Eakins' View" is one of three premieres scheduled on the three Nittany Mountain Summer programs of the Ballet, with the American premiere of Gene Hill Sagan's "Sweet Agony" to be danced in the second weekend's performances and the world premiere of a still undetited work by company artistic director Benjamin Harkarvy, in the final Friday and Saturday night performances.

Greeting card exhibit

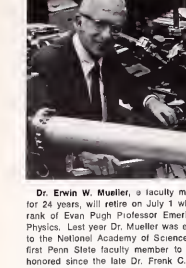
The HUB Arts and Crafts Committee is sponsoring an exhibit from the Hallmark Historical Collection, A History of Greeting Cards, through July 9 on the HUB's first floor. The collection represents a history of the greeting card from the 16th century through 1910. Although Christmas, Easter and Valentine Day cards are featured, the exhibit also includes religious, birthday, friendship and memorial cards, English calling cards, and postcards. Of special interest are the English box valentines of the 1670s and the die-cut valentines made in London in the 1680s. The exhibit, which was on loan to the Smithsonian Institution, is being circulated by the Association of College Unions — International.

Retired staff to meet

The Penn State Retired Staff Club will hold its 177th meeting at 7:30 p.m. on Thursday, July 8, at St. Andrew's Episcopal Parish Life Center. This will be a dessert meeting, and Dr. Ernest Coleman, a retired physician from the University Health Center, will speak on "Pennsylvania's Canals." Reservations may be made by writing Francis Babione, 140 Hartswick Ave., State College (238-6281).

PENN STATE COLLECTION

Faculty notes



Dr. Erwin W. Mueller, a faculty member for 24 years, will retire on July 1 with the rank of Evan Pugh Professor Emeritus of Physics. Last year Dr. Mueller was elected to the National Academy of Sciences, the first Penn State faculty member to be so honored since the late Dr. Frank C. Whitmore, dean of the School of Chemistry and Physics, was named in 1946. He is one of two Penn State faculty members currently holding membership. He was named also in 1975 to the National Academy of Engineering.

Dr. Mueller is internationally known for his discoveries of field desorption, field ionization at surfaces and field evaporation of metals, fundamental effects in electron and atomic physics. He also invented the field emission microscope, field ion microscope and the atom-probe. The field emission microscope, conceived shortly after he had obtained his Dr. Ing. degree in Germany in 1936, enabled him to photograph the surface of submicroscopically small metal crystals for the first time at near atomic level. The field ion microscope, developed later at Penn State, made him the first man to see an atom by imaging the individual constituents of a crystal. The atom-probe, also developed at Penn State, is the most sensitive microanalytical tool ever devised. The instrument can focus on a single atom, pick it up from thousands of surrounding atoms and then identify it by its atomic weight. Field emission microscopy, field ion microscopy and atom-probe microanalysis are now important areas of research throughout the world and the subject of an annual conference held in the United States or abroad. The 23rd international Field Emission Symposium will meet at Penn State in August, and Dr. Mueller will be the honored chairman.

Dr. Mueller has received numerous honors and prizes for his contributions to science. Among them are the C. F. Gauss Medal (Germany); the Howard N. Potts Gold Medal of the Franklin Institute (Philadelphia); the Centenary Lectureship Silver Medal of The Chemical Society, London; the first M.W. Welsh gold medal Award of the American Vacuum Society; the John Scott Medal, America's oldest scientific award given annually in recognition of useful inventions benefiting mankind; and the Davisson Germer Prize of the American Physical Society. Besides his 1936 Dr. Ing. degree in physics, Dr. Mueller holds a Dr. Ing. habil degree of the Technical University of W. Berlin (1949), and honorary degrees from the University of W. Berlin and Claude Bernard University at Lyon, France.

He is the author of two books, four book chapters and over 200 articles published in scholarly journals. Nearly 30 graduate students and post doctoral associates have conducted research under his direction. He is on the editorial board of the scientific journals "Surface Science," "physica status solidi," "Crystal Lattice Defects" and "J. of Microscopy."

In retirement, Dr. Mueller plans to continue some of his research, finishing up a grant of the National Science Foundation, and to assist at a more leisurely pace his younger colleagues in the Field Emission Laboratory of the Physics Department.

Three additional promotions of faculty members in the College of Medicine have been announced, effective July 1. All are from instructor to assistant professor. They include: **Dr. James E. Crutcher**, family and community medicine; **Dr. Rodney K. Hough**, family and community medicine; and **Dr. Kap J. Lee**, comparative medicine.

Dr. Archibald Allen, associate professor of classics, has been named head of the Department of Classics, effective July 1. He succeeds Dr. Anthony J. Podlecki who resigned a year ago. Since that time Dr. Allen has been acting head of the department.

Dr. Allen, who is native of Derry, Ireland, joined the faculty in 1965. He is a graduate of The Queen's University of Belfast, Ireland, where he received a B.A. in classics in 1964 and a Ph.D. in Greek in 1970. Dr. Allen's research specialty is Greek elegiac poetry. He is currently working on a critical edition of the early Greek love elegist Mimnermus, and has published studies of textual problems in the writings of Callimachus, Lucretius, Catullus and Propertius. A member of the American Philological Association, he is associate editor of the Association's "Proceedings."

Dr. Stamatis A. Zervanos, assistant professor of biology at Berks, presented a paper on "Water and Energy Requirements of Free-Living Collared Peccaries" at the annual meeting of the American Institute of Biological Sciences at Tulane University on May 31.

Dr. Charles L. Newman, professor and coordinator of law enforcement and corrections services at the University, has been reappointed by Gov. Milton J. Shapp as a member of the Central Regional Planning Council of the Governor's Justice Commission.

Dr. Newman was reappointed to e term ending Dec. 31, 1977.

Dr. John M. Stevens, a consultant for the past year at Cornell University, has been named assistant professor of public administration in the Institute of Public Administration effective July 1. A 1964 graduate of Penn State with a B.A. in psychology, he received his M.S. in management from the U.S. Naval Postgraduate School. His M.B.A. and Ph.D., both with majors in management and organizational behavior, were conferred by SUNY at Buffalo. His research interests have been in the area of worker productivity, quality change and political implementation in public sector organizations.

Obituary

Dr. Frances M. Andrews, professor emeritus of music education, died June 18. A member of the University faculty from 1950 until her retirement in 1973, Dr. Andrews was the author of six books and numerous articles in the field of music education. She co-authored a text, "Guiding Junior High School Pupils in Music Experiences: A Guide to Effective Curriculum Development," which was selected in 1954 for the Peabody Best Book List. Born May 20, 1908, in Scranton, she received her bachelor of music degree from Marywood College and her M.Ed. and D.Ed. at Penn State. Prior to joining the faculty, she headed the junior and senior high school programs at the State College Area Schools. Active in many professional organizations, she was president of the Music Educators National Conference from 1970 to 1972.

'The Golden Apple'

(Continued from page one)

"The Golden Apple" is being directed by Garland Wright with the scenic designs by Anne A. Gibson, the costume designs by Kurt Wilhelm, and the lighting designs by Charles H. Firmin.

"The Golden Apple" will run in the Playhouse every evening but Mondays through July 17, with a matinee performance on July 10 at 2 p.m. All other curtain times are 8 p.m., except Sundays at 7:30 p.m.

A special Behind-the-Scenes program will be held at 3 p.m. on Friday, July 2, in the Playhouse. Free tickets for this event, sponsored by Nittany Mountain Summer, may be obtained at the University Auditorium or Playhouse box offices.

The Festivel's first production of the summer, "Bus Stop," continues now through July 4 in the Pavilion Theatre. Tickets for it, "The Golden Apple," "Little Mary Sunshine," and "Thet Championship Season" may be reserved by phoning 865-1884 from 10 a.m. to 9 p.m. daily. Out-of-town patrons may call collect (814) 865-0182.

Funding sources

For further information, call 865-1372

(230-1) The National Science Foundation (NSF) is seeking applications for grants in **Theoretical Computer Science, Software Systems Science, Software Engineering, Intelligence Systems and Computer Systems Architecture Design.** Deadline date is Nov. 1. (Ref. NSF Announcement NSF 76-20) (CAU Rep. 2576)

(230-2) NSF awards **Grants for Improving Doctoral Dissertation Research** in the environmental, behavioral, neural and social sciences and in the earth and ocean sciences. Guidelines have recently been updated. (Ref. NSF76-17) (NSF Bulletin, June, 1976)

(230-3) The OHEW Public Health Service has issued regulations for **Project Grants for Community Health Services.** Any public or non-profit private entity is eligible Grants will be made for planning, developing and operating community health centers primarily in regions detected in medical care. Deadlines for application will be announced later. (Rel. #1FR23851-58, 6/11/76)

(230-4) The DHEW Office of Education has issued interim guidelines and criteria governing grant awards for its **Bilingual Education Program.** Included are: basic programs, support services, training, fellowships for teacher trainers, technical assistance coordination, research and dissemination, and consultation. (Rel. #1FR23659-72, 6/11/76) (CAU Rep. 2576)

(230-5) Proposals for NSF's Mathematical Sciences Conferences may be made by host institutions directly to the NSF Mathematical Sciences Section. Conferences are to be of two days duration during summer, 1977, or a fall or winter recess period. Proposal deadline is Nov. 15. (Ref. NSF/CBMS announcement)

(230-6) NSF, through the Agency for International Development (AID), supports efforts of U.S. scientists and engineers who wish to apply their expertise to problems in developing countries. The grants program is called Scientists and Engineers In Economic Development (SEED) and furnishes travel funds to host country grants. The next closing date is Dec 15 for awards in April, 1977. Contact the Division of International Programs, NSF, 202-632-7865. (Rel. SEED announcement)

(230-7) U.S.-India Exchange of Scientists supports exchange visits and awards travel funds. Visits range from two weeks to a few months. Plans should be discussed with the Division of International Programs, NSF, 202-632-5796. Six months should be allowed for NSF selection and GSIR (Indian) concurrence.

FELLOWSHIPS

(For further information inquire at 317 Kern, 865-2341):

(230-8) NSF — two E. O. Gorgmon Memorial Research Grants (FO 76-10)

(230-9) NEA — fellowships for practicing professional designers (FO 76-10)

(230-10) American Heart Association — fellowships for physicians and scientists (FO 76-0)

(230-11) Oak Ridge National Laboratory — 5 two-year post-doctoral fellowships (FO 76-10)

Staff vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Service for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 P.M., July 8. DEPTS. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

DIETICIAN AND FACILITIES SUPERVISOR (INTERNSHIP HEALTH CENTER), STUDENT AFFAIRS — University Park

Responsible to the Assistant Director for Administration for management of the Food Services Department, Housekeeping Services, Janitorial Service and for planning and directing the Food Service Program in the Health Center. A bachelor of science degree, or equivalent, with specialized training in dietetics, institutional food management or a food related field is required. The employee is expected to be able to supervise kitchen, janitorial and general housekeeping support personnel. Up to one year's directly related experience is required.

DATA SYSTEMS COORDINATOR, GRADUATE SCHOOL — University Park

Responsible to the Dean of the Graduate School for providing planning assistance and systems analysis for the various divisions of the Graduate School and for collecting statistical records of Graduate School operations. Bachelor's degree or equivalent and two to three years of directly related experience is required. Position requires a knowledge of applications programming and analyses, with familiarity with data processing equipment and techniques, plus experience with systems programming in an educational setting.

RESIDENCE HALL COORDINATOR — Hazleton Campus

Responsible to the Dean of Student Affairs for assisting in carrying out the mission of Student Affairs by providing administrative, educational and cultural, and personal services for the total Residence Hall Program; also, for the welfare and security of the students in the residence hall. Master's degree in student personnel services, counseling or related field, or equivalent organized study or training, plus up to and including 12 months of directly related experience; or bachelor's degree or equivalent organized study or training in student personnel services, counseling or related field, plus over one year and up to and including two years of directly related experience.

PROGRAMMER, UNIVERSITY LIBRARIES — University Park

Responsible for analysis, program design and documentation of new and existing programs required to develop an operational on-line bibliographic data-base. Bachelor's degree or equivalent in computer science or related area, plus two years of elective experience preferably in data base design or on-line multi-access computer systems.

LIBRARY SYSTEMS SPECIALIST, UNIVERSITY LIBRARIES — University Park

Participate in the development of priorities of program timetables, flowcharts, report analysis, computer needs and capabilities. Analyze present methods and systems. Prepare detailed plans for the design and implementation of computerized library information systems and sub-systems. Develop performance specification requirements for new systems. Bachelor's or master's degree in appropriate field, 4 to 5 years project-related experience with medium and large scale time-share computer systems and/or significant experience in large university or special libraries.

ADMINISTRATIVE AIDE — ORUG EDUCATION PROJECT, COLLEGE OF EDUCATION — University Park

Responsible to the Assistant to the Director, Drug Education Project, for assistance in the administration of the Drug Education Project, including financial responsibilities, personnel and other related functions concerning the coordination of the project. A bachelor's degree, preferably in business administration or accounting or its equivalent, and 6 to 12 months of directly related experience is required.

ASSISTANT DIRECTOR FOR DEVELOPMENT — York Campus

Responsible to the Director of the York Campus for organizing and conducting a continuous development program, including fund raising efforts, handling public information, fostering public relations and organizing and conducting alumni activities. Bachelor's degree or equivalent, plus 4 to 4 years of directly related experience is required; candidate should have an understanding and appreciation of the goals of higher education.

WPSX highlights

Theatre Three's Alec Guinness film festivel continues at 9 p.m. on Saturday, June 26, with "The Lavender Hill Mob," a 1952 comedy starring Guinness as an unobtrusive bank clerk who plans the perfect crime — the theft of an armored car full of gold which Guinness and his accomplice (Stanley Holloway) melt down and cast into souvenir Eiffel Towers.

The history of dirigibles is explored on "The Great Airship Adventure" at 9 p.m. on Monday, June 28. The hour-long documentary includes newsreel coverage of famous airship launchings and of the Hindenberg disaster. The Hindenberg explosion is analyzed by the ship's captain and by the air traffic controller who was in radio contact with the ship during the fatal docking.

Dr. Robert Murray, professor of American history, discusses "The 103rd Ballot" in his new book about the 1924 Democratic National Convention, on Tuesday at 8 p.m. on Monday, June 28. Dr. Murray talks about the candidates, the issues and the atmosphere surrounding what was to become the longest presidential nominating convention in the nation's history. The show may also be seen on Tuesdays at 8 p.m. and Saturdays at 1:30 p.m.

The work of anthropologist Richard Leakey and his associate, Ronald C. Johanson, is documented on "The Three Ways to Your Clue" at 9 p.m. on Tuesday, June 29. The three-part documentary chronicles Leakey's search for the remains of man's ancestors in East Africa and his discovery of fossils dating back three million years.

The first live television broadcast of a full-length ballet will be featured when **Live from Lincoln Center** presents the American Ballet Theatre's "Swan Lake" at 8 p.m. on Wednesday, June 30. Natalia Makarova and Irwin Nagy star in the Tchaikovsky work, which will be performed in its entirety as it is presented before a live audience in New York's Lincoln Center.

"Reflections on a Revolution" is the subject when Bill Moyers presents a special essay on America during the bicentennial year on **Bill Moyer's Journal** at 10 p.m. on Thuisday, July 1. The program focuses on the relevance of the American Revolution for the 1970s. Also appearing will be historians Henry Steele Commager and Richard Morris, sociologists Daniel Bell and Amatai Etzioni, poets Gerge Gallup and Daniel Yankelovitch, and University of Texas philosophy professor Robert Solomon.

PENN STATE intercom

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Press given ACLS award in humanities

In recognition of distinction in the publication of books in the humanities in the recent past, The Pennsylvania State University Press has been cited by the American Council of Learned Societies.

The award, announced by Thomas A. Noble, executive associate of the council, consists of a check for $15,000, made possible by a grant from the Andrew W. Mellon Foundation. It is to be used in support of publication of first or second books by scholars in the field of humanities.

Chris W. Kentera, director of the University Press, was advised that in addition to the strength of the publications by the Press of the past three years, the "committee of scholars" closely examined three titles: "Manet, Peintre-Philosophe," by George Mauner, of Penn State; "Kafka's Narrative Theater" by James Rolleston, of Yale; and "In This Most Perfect Paradise: Alberti, Nicholas V and the Invention of Conscious Urban Planning in Rome, 1447-55" by Carroll William Westfall, of the University of Illinois.

De Pauw to give Bicentennial talk

The second in the Bicentennial Summer Lecture series will be delivered by Linda Grant De Pauw, professor of American history at George Washington University, at 8 p.m. on Wednesday, July 7, in Room 112 Kern Graduate Bldg.

Prof. De Pauw's topic will be "Politicizing the Politically Inert: the Problem of Leadership in the American Revolution." She will explain how inarticulate groups, such as women and ethnic minorities that were not involved in politics, became involved in the movement that led to the Independence of Great Britain's North American Colonies.

Prof. De Pauw is the editor of the multivolume "Documentary History of the First Federal Congress of the United States of America," published by the Johns Hopkins University Press and sponsored by the National Historical Publications Commission. In addition, she is the author of several books, including "The Eleventh Pitter: New York State and the Federal Constitution" and "Four Traditions: Women of New York during the American Revolution."

Prior to joining the faculty at George Washington University, she taught at George Mason College of the University of Virginia. In 1964, she received the American Historical Association's Albert Beveridge award for her outstanding doctoral dissertation written at Johns Hopkins, from which she received her Ph.D. She completed her undergraduate studies at Swarthmore College in 1960.

'Be Glad Then' to air

Voice of America will broadcast the entire performance of "Be Glad Then America" on the Fourth of July to all Eastern European nations and the Soviet Union on its Russian language program and worldwide on its English language service. The stereo recording of the work was made during the premiere performances on Feb. 6, 7 and 8 in University Auditorium. Producing and directing the recording was Harold Boxer, musical director, Voice of America, with technical assistance from University Continuing Education professional staff members.



Photographer Steve Herlin used 59 sparklers to get this effect.

UNICARE plan improved

President Oswald has announced that effective today (July 1) an improvement has been made to the UNICARE group health insurance plan to provide 100 percent reimbursement of medical expenses after a total of $5,000 in medical expenses has been incurred in a calendar year.

The new provision — known as "stop loss" — will provide greater financial security to a faculty or staff member by eliminating the 20 percent major medical co-payment factor at that level of incurred expenses. Charges which are used in satisfying the $5,000 provision include all medical expenses which are presently reimbursable under UNICARE's basic and major medical plans. Charges incurred prior to July 1, may not be used to satisfy any part of the 1976 stop loss provision.

The change is superimposed on existing UNICARE benefits. This means that all charges submitted will first be paid under the provisions of UNICARE's basic and major medical plans. It total incurred covered expenses do not exceed $5,000 in a calendar year, there is no stop loss benefit due. When such charges exceed $5,000, however, the basic plan, the major medical plan, and the stop loss provision combine to pay 100 percent of covered expenses. Any restriction or limitation provided by the existing major medical plan also applies to the stop loss provision.

Here are two examples of how the stop loss provision will benefit employees: A major medical claim which took place in 1975 had covered medical expenses totalling $25,804. UNICARE benefits without the stop loss provision paid $20,662 and the employee's out-of-pocket expenses totaled $5,142. With stop loss benefits, UNICARE would have paid $24,623 and the employee's costs would have been reduced to $1,181.

In another example, covered expenses amount to $7,925. The total benefit under the former UNICARE plan would be $6,750, leaving $1,175 as the employee's obligation. UNICARE with stop loss benefits would reduce the employee's costs to $680 by paying benefits totalling $7,245.

Another important money-saving aspect of the stop loss provision provides that when the $5,000 stop loss expense has been incurred in any given calendar year, the plan will continue to pay 100 percent of all covered expenses incurred during the subsequent year. This means that no deductible is applied during the second calendar year.

The Employee Benefits Division will be happy to counsel faculty and staff members about the new stop loss provision, as well as all other UNICARE provisions.

Summer enrollments show slight increase over 1975

Preliminary figures for summer term resident instruction enrollment at the University total 13,587 at all locations, a slight increase from comparable figures of 13,412 a year ago.

Late registrations and registrations for programs starting later in the term will increase the total, which is expected to approximate the final figure of 14,892 at all locations last summer.

The preliminary figures reported Monday by Dr. Robert E. Dunham, vice-president for undergraduate studies, show 10,245 students at University Park; 2,037 at the Commonwealth Campuses; 101 at Behrend College at Erie; 977 at the Capitol Campus, Middletown; 138 at the Milton S. Hershey Medical Center; and 89 at the King of Prussia Graduate Center.

The 1976 preliminary figures include 7,142 baccalaureate degree students; 4,844 graduate/medical students; 552 associate degree students; and 1,049 adjunct students.

Decision on liquor license was expected

The decision by the Pennsylvania Liquor Control Board (PLCB) to turn down the Faculty Club's application for a liquor license was not unexpected, according to club president Donald R. Olson, professor and head of the Department of Mechanical Engineering.

"The PLCB has never granted a license under the resort area classification to any place outside of the Poconos," Dr. Olson commented, "and we knew that it was unlikely that the board would make an exception in our case.

"The directors of the club would, however, like to point out that the procedure through which we are now going is exactly the same one used by the Elks Club when it sought to obtain a liquor license. Harris Township was ultimately defined as a resort area by the Centre County Court."

The PLCB is usually reluctant to judge whether or not a locality is a resort area, preferring to leave this decision up to the local courts, Dr. Olson notes, and accordingly, the Board of Directors of the club will now appeal to the Centre County Court as soon as possible.

Construction of the club is on schedule, with the opening set for September. According to Dr. Olson, if the appeal to the court is not completed before the opening date, the Board of Directors will seriously consider the possibility of allowing members to bring their own liquor into the club in compliance with the appropriate legal restrictions.

July 4 field trip to Philadelphia available by bus

The Bicentennial Summer at Penn State program will sponsor a field trip to Philadelphia to celebrate the nation's bicentennial anniversary on Independence Day, Sunday, July 4. A bus will leave the main entrance to the HUB (at the northwest corner of the building) at 6 a.m. and will return from Independence Hall (Chestnut and Sixth Streets) in Philadelphia at 9 p.m. There will be no stops for meals.

Tickets are available at the office of the History Department, 601 Liberal Arts Tower. The cost will be $10.30 per person (cash payment only — no checks). A ticket must be presented at the time of departure to Philadelphia and again at the time of return to University Park. Tickets will be sold until all seats are reserved.

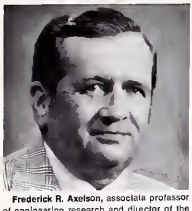
Although plans for the festivities in Philadelphia are not yet complete, they do include addresses by prominent officials, such as President Ford and Governor Shapp, a "Fourth of July" parade, and a display of fireworks. Participants in the trip will be free to wander about on their own.

Among the historic sites and artifacts on view are the Pennsylvania State House (Independence Hall) where the Congress passed the resolutions of Independence, Carpenter's Hall where the First Continental Congress met, Christ Church where many of the delegates worshipped, and the bell that proclaimed "liberty throughout the land."

All members of the University community, including faculty, staff and students, are welcome to sign up for the trip.

PENN STATE COLLECTION

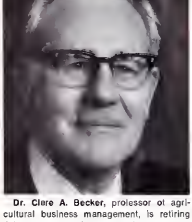
Retirements



Frederick R. Axelson, associate professor of engineering research and director of the College of Engineering's Institutional Engineering Advisory Services, will retire July 31 after 30 years of service.

As director of Institutional Engineering Advisory Services since 1957, Prof. Axelson has supervised a group of professional advisers and consultants who work with approximately 78 state institutions on the operation and maintenance of steam and electrical power generating and distribution systems. This work with Commonwealth institutions, such as hospitals, colleges and correctional facilities, has resulted in appreciable savings to Pennsylvania taxpayers. Prof. Axelson has also served as adviser in the procurement of all fuels used in institutions operated by the Commonwealth. From 1953 to 1957 he was supervisor in Fuel Technology and Mining Extension in the College of Earth and Mineral Sciences. He also served as an instructor in chemistry and geology and developed and taught courses in fuels and combustion, institutional engineering management, energy conservation and air pollution control.

A native of DuBois, Prof. Axelson received his B.S. in fuel technology and his M.S. in mineral economics from the University. In 1953 he earned his Professional Degree in fuel engineering.

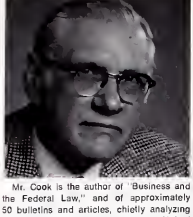


Dr. Clare A. Becker, professor of agricultural business management, is retiring July 1 with emeritus rank after 29 years on the faculty. Dr. Becker's major research interests have centered around improvement of farm business management practices and the problems and policies of farmer cooperatives. In 1975, he received the distinguished service award from the Pennsylvania Association of Farmer Cooperatives (PAFC) for his contributions to the Pennsylvania agricultural industry. Since its inception in 1961, Dr. Becker has played an important role in the PAFC's summer Youth Institutes, and he will continue to be active with the Institute when it is held July 11-14.

Dr. Becker has been business manager for the Department of Agricultural Economics and Rural Sociology since 1956 and in 1958-59 was also its acting head. Prominent in community affairs, he has served as chairman of the College Area Joint School Board.

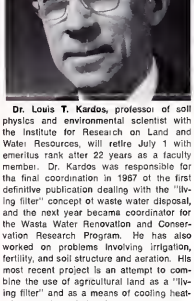
He holds a B.S. from Michigan State and a Ph.D. in agricultural economics from Cornell. He and his wife, Jane, will continue to live in their Lemont home after retirement.

Franklin H. Cook, professor of business law, at the University, will retire July 1 with emeritus rank after serving 39 years as a faculty member. An authority on the legal aspects of the power industries, Mr. Cook came to Penn State as an instructor in business administration in 1937, after receiving a law degree from Duke University. A 1933 graduate of Bucknell University with a B.A. in political science, he received an M.A. in economics from Penn State in 1940.



Mr. Cook is the author of "Business and the Federal Law," and of approximately 50 bulletins and articles, chiefly analyzing the electric power industry of the United States. Active in State College community affairs, he has served as president of Friends of the Library, the Council of Churches, and Mt. Nittany Park For the past 10 years he has been chairman of the State College Zoning Hearing Board.

Mr. Cook and his wife, the former Anna Martha Graybill, will continue to reside in State College. During winter term, 1977, Mr. Cook will teach a graduate course on Corporate Morality.

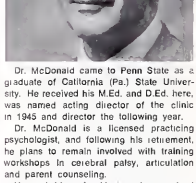


Dr. Louis T. Kardos, professor of soil physics and environmental scientist with the Institute for Research on Land and Water Resources, will retire July 1 with emeritus rank after 22 years as a faculty member. Dr. Kardos was responsible for the final coordination in 1957 of the first definitive publication dealing with the "living filter" concept of waste water disposal, and the next year became coordinator for the Wasta Water Renovation and Conservation Research Program. He has also worked on problems involving irrigation, fertility, and soil structure and aeration. His most recent project is an attempt to combine the use of agricultural land as a "living filter" and as a means of cooling heated water from industrial and nuclear or fossil fuel electric generating plants. In 1972, Dr. Kardos was co-chairman of a symposium on Recycling Treated Municipal Wastewater and Sludge through Forest and Cropland, co-editor of the published proceedings and co-author of four of the 32 papers presented. He participated in the preparation of an American Chemical Society monograph, "Chemistry of the Soil," and since 1952 has been an associate editor of the journal, "Soil Science."

A native of Perth Amboy, N.J., Dr. Kardos received his B.S. in chemistry from Rutgers University in 1932. He continued his graduate studies in soil chemistry in the College of Agriculture at Rutgers and received his M.S. in 1934 and his Ph.D. in 1937. Following faculty appointments at Washington State University at Pullman, Wash., and at the University of New Hampshire at Durham, N.H., he came to Penn State in 1954 as professor of soil technology. He will maintain his home in State College following retirement.

Dr. Eugene T. McDonald, research professor of speech pathology and former director of the Speech and Hearing Clinic, will retire July 1 with emeritus rank after 31 years as a member of the faculty. He has been internationally recognized for his work in developing alternative means of communications for non-vocal cerebral-palsied children, for his work with cleft-palated and cleft-lipped children, and for his diagnosis and treatment of articulatory disorders.

He is the co-author of the book, "Cerebral Palsy," and his book, "Understand Those Feelings: A Guide for Parents of Handicapped Children and Everyone Who Works With Them," was selected as a book of the year by the Child Study Association of America. "Bright Promise," a book which Dr. McDonald wrote to help the parents of children with cleft-palate and cleft-lip, is one of the most popular titles published in the United States by the National Society for Crippled Children and Adults. As a Liberal Arts Research Scholar at Penn State in 1962, he developed a text dealing with the sensory-motor approach to problem articulation diagnosis and treatment.



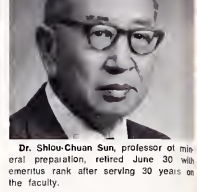
Dr. McDonald came to Penn State as a graduate of California (Pa.) State University. He received his M.Ed. and D.Ed. here, was named acting director of the clinic in 1945 and director the following year.

Dr. McDonald is a licensed practicing psychologist, and following his retirement, he plans to remain involved with training workshops in cerebral palsy, articulation and parent counseling.

He and his wife, Marie, who received her M.Ed. and later taught in Penn State's Department of Special Education, plan to remain in State College following his retirement.

George Shombert Jr., associate professor of engineering at the Beaver Campus, will retire on July 1. A member of the engineering faculty since 1967, he served on many Campus committees, chaired the Academic Affairs Committee, Commencement Committee, was co-chairman of the Campus Self-Study Task Force, and chairman of the Joint Faculties Liaison Committee of the Beaver County Council of Higher Learning.

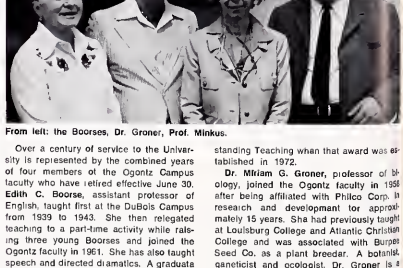
Mr. Shombert, a registered professional engineer, holds a B.S.E.E. from Carnegie-Mellon University and the M.Litt. from the University of Pittsburgh. Prior to joining the faculty, he was employed by the Pittsburgh Transformer Plant of the Allis-Chalmers Company. He is an active member of the American Society for Testing and Materials and since 1955 has been station cal consultant to ASTM Technical Committee D27 on Electrical Insulating Oils and Gases.



Dr. Shiou-Chuan Sun, professor of mineral preparation, retired June 30 with emeritus rank after serving 30 years on the faculty.

Dr. Sun began his education in China, where he received a B.S. in mining and metallurgy at Pei-Yang University, Tientsin, in 1936. His M.S. in the same subjects was granted at Missouri School of Mines in 1938, and his Ph.D. in metallurgy at Massachusetts Institute of Technology in 1945. He joined the Penn State staff in 1946 as an assistant professor of mineral preparation. His current research interests include characterization of anthracite coal refuse, relative grindability of coal lithotypes, effective removal of sulfur from coal and coal refuse, electrokinetic study of the adsorption of water pollutants by coal lithotypes and mineral matters in coal mine refuse, utilization of anthracite coal refuse for the manufacturing of building materials, and the concrete block industry — national and regional approaches. He is the author of 70 articles in technical journals and has supervised the preparation of 10 doctoral theses and 23 master's theses. He is the co-holder of two patents.

He and his wife, Dr. E-tu Zen Sun, professor of Chinese history at the University, collaborated on a translation of "T'ien-Kung Kai-Wu, Chinese Technology in the Seventeenth Century" by Sung Ying-Hsing, which was published by The Pennsylvania State University Press in 1966.



From left: the Boorses, Dr. Groner, Prof. Minkus.

Over a century of service to the University is represented by the combined years of four members of the Ogontz Campus faculty who have retired effective June 30. **Edith C. Boorse,** assistant professor of English, taught first at the DuBois Campus from 1939 to 1943. She then relegated teaching to a part-time activity while raising three young Boorses and joined the Ogontz faculty in 1961. She has also taught speech and directed dramatics. A graduate of Wilson College, with a master's degree from Cornell University, Mrs. Boorse is a poet, playwright, and short story writer.

Lowell M. Boorse, associate professor of music, earned his baccalaureate degree at Penn State and his master's degree at the University of Rochester. Except for two years as music supervisor in the Ouakertown public schools and four years as a B-25 bombardier/navigator during World War II, he has directed the musical bent of Penn State students throughout his career. He began teaching at the DuBois Campus in 1939 and joined the Ogontz faculty in 1951. He was the first recipient of the Ogontz Campus Award for Outstanding Teaching when that award was established in 1972.

Dr. Miriam G. Groner, professor of biology, joined the Ogontz faculty in 1958 after being affiliated with Philco Corp. in research and development for approximately 15 years. She had previously taught at Louisburg College and Atlantic Christian College and was associated with Burpee Seed Co. as a plant breeder. A botanist, geneticist and ecologist, Dr. Groner is a graduate of Bucknell University and the University of Michigan.

Thomas W. Minkus, associate professor of political science, was on hend when the Ogontz Campus opened its doors in 1950 and has been the unofficial campus historian ever since. He divided his time that first year between Ogontz and the former Swarthmore Center where he had taught since 1947. He was also the first Ogontz Campus registrar. A graduate of the University of Delaware, he taught international relations and elements of American government for the U.S. Army information and education program for several years before enrolling at the University of Pennsylvania for his master's degree in political science.

Faculty notes

Dr. Eugene E. White, professor of speech communication, presented one of five distinguished lectures at a Louisiana State University conference in honor of Dr. Waldo W. Braden, Boyd Professor of Speech at Louisiana State. The conference topic was "Views of Rhetoric and Public Address," and Dr. White spoke on "Rhetoric as Historical Configuration" at the June 1 session.

Dr. Peeter Rebane, associate professor of history at Ogontz, has received one of three monetary awards from the Arthur Puksow Fund, established to encourage original research dealing with Estonian history before 1721. Dr. Rebane's paper, "St. George's Night Rebellion of 1343," dealt with an Estonian peasant uprising against their German overlords. Dr. Rebane was also named Outstending Adviser for 1975-76 at Ogontz.

An excerpt from "Gala," **Paul West's** eighth novel, to be published this fall by Harper and Row, appears in "TriQuarterly 36," published by Northwestern University. Mr. West is professor of English and comparative literature, and a Fellow of the Institute for the Arts and Humanistic Studies.

The James Jordan Award of teaching excellence at the Capitol Campus has been awarded by the Student Government Association to **Dr. William A. Welsh Jr.**, program chairman in civil engineering. The award is given in memory of Dr. James Jordan, a humanities professor who died in a boating accident in 1971. Dr. Welsh holds a B.S. in civil engineering from Swarthmore and an M.S. and Ph.D. in that field from the University of Illinois. He has conducted research on prestressed and reinforced concrete and has worked on computer-aided design of steel structures.

Dr. H. Arnold Muller, chief of emergency medicine at Hershey, has been elected president of the Pennsylvania Chapter of the American College of Emergency Physicians. The Pennsylvania chapter, with more than 530 members, is the third largest in the nation. Dr. Muller also presented a paper, "Emergency and Critical Care Delivery Systems Worldwide" at the 1976 International Congress on Emergency and Critical Medicine in Pittsburgh last month.

Dr. Winfred M. Phillips, associate professor of aerospace engineering, has received the College of Engineering's Outstanding Faculty Advisor Award. The award, which consists of a check for $500 and a certificate, is sponsored by the Penn State Engineering Society and made possible by alumni contributions. A member of the faculty since 1968, Dr. Phillips has been predominantly a teacher of undergraduate students. His research is concerned with physical gas dynamics and biomedical engineering. He holds a B.S.M.E. from Virginia Polytechnic Institute and a D.Sc. from the University of Virginia.

Richard E. Bland, associate professor of engineering research at ARL, has been elected a member of Underwriters Laboratories, Inc., for a term of three years. Underwriters Laboratories, founded and sponsored by the National Board of Fire Underwriters in 1894, investigates materials and products to determine whether they are hazardous to life and property, and it attempts to establish the means to make them safe. Prof. Bland is a former chairman of the National Commission on Fire Prevention and Control.

George L. Thuering, director of management engineering and professor of industrial engineering, has been elected chairman of the Management Division of the American Society of Mechanical Engineers. He assumed office June 22 at the annual meeting of the Society in Quebec, Canada. The Division, largest in the Society, annually sponsors the Management Executive Conference and also sponsors the annual Joint Engineering Management Conference. This year the Division will sponsor the recently established General Engineering Conference of the Society. Prof. Thuering came to Penn State in 1947 from Lockheed Aircraft Corp.

Dr. T. T. Tsong, associate professor of physics, presented a series of seminars in Belgium, France and Germany during the months of May and June. He discussed "Field Ion Microscope Investigations of Atomic Processes on Metal Surfaces" at the University of Namui in Belgium, the Universities of Rouen, Lyon and Aix-Marseille in France, and the Technical Universities of Munich and Clausthal in Germany. Dr. Tsong is on leave at the Fritz Haber Institute of the Max Planck Society in Berlin.

Dr. Craig S. Oliver, assistant dean for Extension in the College of Agriculture, has been elected president of the Board of Directors of the Extension Journal, Inc. This is a quasi-official body of the Association of Land-Grant Colleges and State Universities and the Extension Committee on Organization and Policy (ECOP). It is a non-profit corporation organized for the purpose of publishing a journal six times yearly for professional Extension staff, adult educators and community developers.

Dr. Nicholas A. Branco, assoate professor of education, has been awarded a travel grant by the National Research Council of the National Academy of Sciences to attend the third International Congress of Mathematics Education Aug. 16-21 in Karlsruhe, Germany. He will discuss "Mathematical Problem Solving." Following the Congress, Dr. Branca will present a lecture on "Important Considerations for Teacher Education Programs" at the Institute fu Didaktic der Mathemattik at the Universitat Bielefeld, Germany.

Dr. David L. Pearson, assistant professor of biology, began a study of tiger beetles in the Silver Spring Valley of Arizona last month. He is being accompanied by an undergraduate and five graduate students on the project, which is supported by a grant from the National Science Foundation. In the fall, he will go to Gabon, Africa, to pursue research on birds, with a grant from the National Geographic Society.

Capt. Larry Akers, head of the ROTC program and assistant professor of military science at Schuylkill, will receive a meritorius service award. The award, the second highest non-combat decoration, is presented to those distinguishing themselves by outstanding meritorius achievement. Under Capt. Akers' command, the ROTC enrollment at the Campus has risen from 17 to 51.

Dr. Otis E. Lancaster, associate dean and George Washingtonuse professor emeritus, has been elected president-elect of the American Society for Engineering Education for 1976-77. The Society has nearly 11,000 individual members, representing more than 400 academic institutions and about 150 industrial and governmental institutional members. Dr. Lancaster was a Penn State faculty member from 1957 to 1975.

Dr. Carol Gay, research associate in the Department of Biochemistry and Biophysics, has been appointed to the editorial board of the "Journal of Histochemistry and Cytochemistry." She is a specialist in cell biology.

Hershey assistant professors **Dr. Zvi Friedman** (pediatrics) and **Dr. Earl Palmer** (pediatrics and surgery) have been elected fellows of the American Academy of Pediatrics. To qualify as a fellow, a pediatrician must have been certified by the American Board of Pediatrics as a fully qualified child health care specialist. Certification requires at least five years of experience following medical school.

Robert B. Anderson, associate professor of mining engineering, has been given responsibility for continuing education services in mining engineering at the University, effective July 1. These services include more than 20 short courses, workshops and conferences each year; a new miners' pre-employment orientation program offered at several locations in Pennsylvenie; and a mine equipment school at Elders Ridge, Pa., which has trained more than 700 mine mechanics over the past 11 years. Prof. Anderson received a B.S. in mining engineering in 1948 and a B.S. in electrical engineering in 1952, both at Virginia Polytechnic. He worked in the coal end steel industry before joining the faculty in 1974.



Anthony J. Meta, assistant director for resident instruction at Beaver Campus, passes the gavel to **Jacqueline L. Schoch,** the associate director at DuBois. Dr. Schoch is taking over Dr. Meta's job as chairman of the Commonwealth Campus Council of Assistant Directors for Resident Instruction and Associate Directors for Academic Affairs. The council meets regularly to consider such topics as scheduling, registration, class section size, student transfer and faculty evaluation.

Two new associate directors for academic affairs have been appointed at the Fayette and DuBois Campuses. They are **Dr. Stephen M. Priselac,** Fayette Campus, and **Dr. Jacqueline L. Schoch,** DuBois Campus.

Dr. Priselac, who received his D.Ed. from West Virginia University, has been assistant director for resident instruction at the Fayette Campus since July, 1970. He has served on a number of major committees in the University and most recently served on the committee for review of the Division of Undergraduate Studies.

Dr. Priselac, who holds the academic rank of assistant professor of education, has presented papers at the World Assembly of the International Council on Education for Teaching in London in 1972 and in Singapore in 1974, and at numerous national and state conferences.

Dr. Schoch, who received her D.Ed. from Penn State with a major in counselor education and a minor in psychology, served as director of instruction in the DuBois Area School District before joining the DuBois Campus as assistant director for resident instruction in 1970.

She has served as a member of the University Faculty Senate, the Intra-University Relations Committee, and the University Senate Council.

Dr. Schoch has been a Middle States Accreditation evaluation team member, and she also serves as an evaluation team member for the Pennsylvania Department of Education and as a consultant for the Appalachia Project, Knoxville, Tenn.

Dr. Schoch, who holds the academic rank of assistant professor of education, is a member of two education honoraries, Pi Lambda Theta and Delta Kappa Gamma.

Two assistant librarians having been appointed at Paltee. **Linda A. Dapson,** named to the reference department, received her B.A. in English from SUNY at Albany and her M.L.S. from C. W. Post Center of Long Island University. **Kathryn L. Abbott** is a graduate of the College of Wooster with a B.A. in German. Her M.A.L.S. was conferred by the University of Michigan. She was named to the cataloging department.

Dr. Robert Stefanko has been promoted to associate dean for continuing education in the College of Earth and Mineral Sciences. He has been assistant dean since 1969 and also holds the rank of professor of mining engineering. From 1964 to 1969, he was head of the Department of Mining. In addition to overseeing the continuing education services of the College, he teaches courses in mine plant design and is director or co-director of a number of mining research projects. He serves on the Secretary of the Interior's Advisory Committee on Coal Mine Safety Research. A member of the faculty since 1957, he has a B.S. in naval science from the University of Virginia and three degrees in mining engineering from Penn State.

Calendar

Special events

Thursday, July 1
Commons Videotape, NOVA "The Case of the Bermuda Triangle," 12 noon, Kern lobby.
HUB Terrace Room, Happy Birthday USA Special Dinner, 4:45-7 p.m.
Festival Theatre, "Bus Stop," 8 p.m., Pavilion Theatre.
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.

Friday, July 2
HUB Terrace Room, Happy Birthday USA Special Dinner, 4:45-7 p.m.
Interlandia Folk Dance Club, 7:30 p.m.-midnight. HUB terrace and ballroom.
Festival Theatre, "Bus Stop," 8 p.m., Pavilion Theatre.
Festival Theatre, "The Golden Apple," Playhouse Theatre. Behind-the-Scenes program 3 p.m.; performance 8 p.m.
GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, July 3
Festival Theatre, "Bus Stop," 2 p.m. and 8 p.m., Pavilion Theatre.
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.

Sunday, July 4
Festival Theatre, "Bus Stop," 2 p.m. and 8 p.m., Pavilion Theatre.
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.

Monday, July 5
Festival Theatre, "Bus Stop," 7:30 p.m., Pavilion Theatre.
Festival Theatre, "The Golden Apple," 7:30 p.m., Playhouse Theatre.

Tuesday, July 6
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.

Wednesday, July 7
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.

Thursday, July 8
Commons Videotape, 12 noon, Kern lobby.
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.

Friday, July 9
Interlandia Folk Dance Club, 7:30 p.m., HUB terrace and ballroom.
GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.

Saturday, July 10
Festival Theatre, "The Golden Apple," 2 and 8 p.m., Playhouse Theatre.

Sunday, July 11
Public reception, Prints by Pennsylvania Artists and CPFA Juried Crafts Show, 3-5 p.m., Museum of Art.
Festival Theatre, "The Golden Apple," 7:30 p.m., Playhouse Theatre.
Grimethorpe Colliery Band, 8 p.m., University Auditorium.

Lectures

Wednesday, July 7
Second Bicentennial Summer Lecture, Linda Grant De Pauw, professor of American history, George Washington University, on "Politicizing the Politically Inert: The Problem of Leadership in the American Revolution." 8 p.m., Room 112 Kern.

Seminars

Wednesday, July 7
Analytical Chemistry, 11 a.m., Room 333 Whitmore. Dr. V. Pichon, French National Science Foundation and the University of Paris, on "Thin Layer Electrochemistry."

Films

Friday, July 9
GSA Commonsplace Theatre, "Dr. Strangelove," 7:30 and 9:30 p.m., Room 112 Kern.

Sunday, July 11
Central Pennsylvania Festival of the Arts, "Film as Art 1976," 4 p.m., HUB assembly room.
Central Pennsylvania Festival of the Arts, dance films, 7 p.m., HUB assembly room.

Exhibits

Museum of Art: American Paintings and Furniture from the Permanent Collection, Gallery A. Central Pennsylvania Festival of the Arts Juried Crafts Show, Gallery B, opening July 6. Prints by Pennsylvania Artists, opening July 11.
Zoller Gallery: Central Pennsylvania Festival of the Arts, "Always at the Beginning," Pennsylvania Photographs from the 19th Century. Special hours, July 10-14, noon-5 p.m.
HUB Gallery: Renascence Gallery Multi-Media Exhibit, beginning July 2. The Hallmark Historical Collection, An History of Greeting Cards, through July 9. Central Pennsylvania Festival of the Arts: Elementary and Junior High Art, opening July 10.
Kern Gallery: Rebecca Kamen and Marilyn Weisenseo, Sculpture and Stitchery, through July 10. Constantine Kermes, Multi-Media Amish Theme, opening July 11.
Chambers Gallery: Four Goldsmiths; Ebendorf, Matzdorf, Lectzin, Skoogfor, opening July 5.

Musical has "everything"

"The Golden Apple," probably one of the most unusual musicals ever written for the American musical theatre, opens in the Playhouse this evening (Thursday) at 8 p.m., the second production of the Festival of American Theatre's 19th consecutive professional season.

The musical, which runs through July 17, has, according to director Garland Wright, just about everything.

Mr. Wright, who is currently enjoying the success of his Off-Broadway comedy hit, "Vanities," notes:

"The Golden Apple' has 140 different costumes, 15 different sets, balloons that carry people 40 feet off the floor, rocket ships, honky-tonk saloons, ships that take people oil to war, more music than three regular musicals combined, murders, suicides, true love, apple trees, country fairs, and, if I can imagine anything more, it will have that, too."

The critics were enthusiastic when "The Golden Apple" opened Off-Broadway in New York in 1954 and later when it moved to Broadway.

John Chapman of the N.Y. Daily News called it "the best that has happened in and to the theatre in a very long time. Every part of it is refreshing, tangy, delightful and intelligent."

William Hawkins of the N.Y. World Telegram said, "For invention, freshness, beauty and impudence, there is hardly a show that can touch 'The Golden Apple'. Naughty and funny. An out and out triumph."

Tickets are available at the Playhouse Box Office (open daily 10 a.m. to 9 p.m.) for "The Golden Apple"; "Bus Stop", which continues in the Pavilion Theatre through Sunday; and "Little Mary Sunshine" and "That Championship Season," which complete the season through August 7. Telephone reservations may be made by calling 865-1884

Housing data offered

Faculty seeking housing information for incoming graduate students can obtain information about off campus facilities from Residential Life Programs, Room 335 Boucke Bldg. The office is open from 8 a.m. to 3 p.m. on Saturday, with the exception of July 4. Information available includes maps; office hour, security deposit and application information for the major apartment owners and managers; OTIS housing lists; mobile home park information; and regularly updated vacancy information for the major local apartment owners and managers. Persons seeking to obtain a roommate or to rent or sublet apartments, houses and rooms may post notices on a bulletin board outside the office.

Staff vacancies

The following vacancies for positions classified as staff exempt are announced now in accordance with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1367 (network line 475-1367). Applications for these staff vacancies will be accepted until 5 p.m., July 8, 1976. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

BUYER, OFFICE OF BUSINESS SERVICES — University Park

Responsible to the Director of Purchases for the efficient and effective procurement of required items to best serve the interests of the University and the individual department involved. Specifically to evaluate specifications, giving consideration to quantity, quality, cost and delivery requirements; solicit quotations, interview vendors, expedite deliveries, handle adjustments and perform all necessary related purchasing service functions. Bachelor's degree or equivalent, plus two to three years of directly related experience.

COMPUTER OPERATOR, INTERCOLLEGE RESEARCH PROGRAMS — University Park

Operate computer console and input/output equipment; process computer jobs from submission by users to return to users, providing courteous service and maintaining alertness for error conditions. An associate's degree or equivalent, including two years of college mathematics or two years of college science or engineering is required. Familiarity with computer programming and operation of punch card equipment is helpful.

JR. COPY EDITOR, UNIVERSITY PRESS — University Park

Responsible for editing and proofreading book manuscripts in accordance with standard usage, Press style, and special requirements. Responsible for checking copyright permissions and for liaison with production, design and advertising personnel. Bachelor's degree or equivalent, plus one to two years of experience in editorial practices.



Grimethorpe Colliery Band to perform July 11

The Grimethorpe Colliery Band, 33 coal miners in a brass band directed by noted composer and conductor Elgar Howarth, will perform in a Nittany Mountain Summer concert at 8 p.m. Sunday, July 11, in University Auditorium.

The band, selected best of the colliery bands from the Yorkshire mining districts of England, is touring the United States under the auspices of the British Bicentennial Committee. The group will give a number of performances in and nearby the mining communities of Pennsylvania and West Virginia, as well as in America's major cities.

Mineworkers' National Champions in Great Britain for four years, the band, since Elgar Howarth became musical director, has become an even greater force in the brass band movement, particularly in reviving masterpieces of the brass band repertoire by such composers as Gustav Holst and Edward Elgar.

The original band was founded in 1917 by a group of workmen from the Grimethorpe Colliery who lived in the nearby town of Cudworth. They persuaded the Colliery Company and its Welfare Organization to sponsor the band until 1947, when sponsorship was taken over by the National Coal Board and ifs Coal Industry Social Welfare Organization.

Elgar Howarth, educated at Manchester University and Royal Manchester College, came to prominence as a conductor in 1969, when he was invited to conduct the London Sinfonietta, which he now directs regularly both in England and abroad.

Mr. Howarth's "The American Dream" and his arrangements of music from the Tudor Court, "Greensleeves," "Embraceable You" and "Jeannie with the Light Brown Hair" will be performed at the University. Also to be heard are Holst's "Moorside Suite," Wagner's "Lohengrin" Wood's "Three Dale Dances" and other works selected for a family concert.

The Grimethorpe Colliery Band will be at the University with the support of the Institute for the Arts and Humanistic Studies and through gifts from alumni and friends of the University. Nittany Mountain Summer is supported in part by grants from the Pennsylvania Council on the Arts, the National Endowment for the Arts and gifts to the University.

Tickets for the colliery band concert, at $2.50 for adults and $1 for students, children and senior citizens, are available at the Nittany Mountain Summer box office in University Auditorium from 9 a.m. to 5 p.m. weekdays.

WPSX airing Bicentennial specials

WPSX-TV, Channel 3, is airing a number of Bicentennial specials during the holiday week as a birthday present to area viewers, beginning at 7 p.m. on Friday, July 2, with "Eastward, Ho!," a half-hour Penn State Television special about the Bicentennial Wagon Train Pilgrimage to Pennsylvania.

The program follows a wagon train as it travels across western Pennsylvania, stopping in such towns as Franklin, Clarion, DuBois, Brookville and Clearfield to stage the Bicentennial show written by faculty of Penn State's College of Arts and Architecture. "Eastward, Ho!" combines music from that show with scenes of the wagon train itself to present a composite day along the wagon train trail. "Eastward, Ho!" may also be seen at 7:30 p.m. on Sunday, July 4, and at 10:30 p.m on Monday, July 5.

Yehudi Menuhin and the National Symphony Orchestra, conducted by Andre Kostelanetz, highlight a special "In Performance at Wolf Trap" program to be aired five from Wolf Trap Farm Park for the Performing Arts outside Washington, D.C. at 10:30 p.m. on Saturday, July 3. In addition to the live concert, the program features fireworks and, as midnight approaches, a countdown to the nation's third century.

At 3:30 p.m. on Sunday, July 4, "America, America, America" presents the Mormon Youth Symphony and Chorus in a 90-minute salute to American music. The 400-member group performs music by Stephen Foster, George M. Cohan, Leonard Bernstein, Aaron Copland and others.

A British perspective on the American Revolution is featured on "Good-bye America" at 8:30 p.m. on Monday, July 5. This 90-minute program, co-produced by the BBC and WNET-TV, N.Y., is a dramatic re-enactment of the debate in Parliament that eventually led to British military action against the colonists.

Penn State assistant professor of theatre and film Roger Cornish is the guest on "Talkabout" at 10 p.m. Monday, July 5. Mr. Cornish discusses his play, "Unruly Children," which takes a sharp look at Pennsylvania's history. The half-hour program also features scenes from the play, which was produced for the University Theater this spring. "Talkabout" may also be seen at 3 p.m. on Tuesday, July 6, and at 1:30 p.m. on Saturday, July 10.

WPSX-TV will carry live coverage of "The State Dinner for Queen Elizabeth II" at the White House. The dinner is a highlight of a visit by Queen Elizabeth and Prince Philip in honor of the Bicentennial. Coverage is hosted by Robert MacNeil. Julia Child will take viewers inside the White House kitchen for a culinery perspective on the event, and Jean Marsh of "Upstairs, Downstairs" will review the protocol of official state dinners and, with Mr. MacNeil, talk with guests. The program will also include a look at the history of the British monarchy since George III.

Funding sources

For further information, call 865-1372

(231-1) The OHEW Office of Education has issued regulations for **Regional Education Programs** for vocational, technical, postsecondary or adult education for deaf or other handicapped persons, including mentally retarded, speech impaired, visually impaired and emotionally disturbed. (Ref. 41FR24125-27, 6/15/76) (CFDA 13.960)

(231-2) OHEW/OE **fellowships for Indian students** have a July 15 deadline (Ref. 41FR24441, 6/16/76) (CFDA 13.960)

(231-3) The final rules on education records under **privacy rights of parents and students** has been issued by the Department of Health, Education and Welfare. Included are sections on student rights, institutional policy, education records, disclosure and enforcement. (Ref. 41FR24661-76, 6/17/76)

(231-4) The NFAH National Endowment from the Arts has issued FY1977 application guidelines for its **Artists-in-Schools Program** with an Aug. 1 deadline. Contacts and other program information are included for each component. Also FY 1978 application guidelines for the **NEA Expansion Arts Program** have been issued. Deadlines are Nov. 15 for instruction and training, arts exposure and state arts agencies, and Oct. 1 for summer projects, community culture centers and neighborhood arts services (Ref. 41FR26038-50, 6/21/76)

Oswald honored

The University of Kentucky's Board of Trustees has approved a recommendation by Dr. Otis A. Singletary, president of the University, to name the new Lexington Technical Institute building the John W. Oswald Bldg.

The name honors Dr. Oswald for his service with the president of Kentucky from 1963 to 1968.

"It is fitting that the new facility be named for Dr. Oswald as his foresight and strong commitment to the Community College concept laid the groundwork for the excellent Community College System we have today," said President Singletary.

The University of Kentucky Community College System now has 13 community colleges, including Lexington Technical Institute.

The John W. Oswald building is expected to be completed this summer and be ready for occupancy during the 1976 fall semester. It will include 13 classrooms, three laboratories, a library and offices and will cost about $4.6 million.

Elsewhere in academe

A Supreme Court decision may have opened a new door to states which have been trying to find a constitutional way to provide aid to sectarian colleges. The court held 5 to 4 that Maryland has achieved a formula for giving aid to qualifying colleges and universities, regardless of their sectarian affiliation, as long as that aid was not directly employed for sectarian purposes and recipient institutions did not have as a primary mission the awarding of theological or seminary degrees. Legal observers noted that the court seemed influenced by the fact that the sectarian institutions involved were privately funded, that most student and faculty positions were open to all on a nonsectarian basis, and that, except for a few compulsory religion courses, each institution permitted a high degree of academic freedom.

The U.S. Office of Education reports that, despite talk of college closings, from 1969 through 1975 the number of private small, four-year colleges increased by 10. And although tuition rates at such institutions often average five times that of state schools, the small colleges (those with 2,500 or fewer students) had a 9 percent increase in enrollment this year. They also noted an 11 percent increase in the number of students transferring from larger to smaller schools.

This year's college graduates found about 2 percent fewer jobs than last year, the College Placement Council reports. Job hunters could take consolation in the fact that this was an improvement on the 5 percent drop in job opportunities which the council had forecast earlier. Hiring by private businesses increased 10 percent, offsetting a 24 percent decline in hiring by federal agencies. Job prospects were better for those with graduate degrees. As the master's level, there were 6 percent more new jobs this year than last and 8 percent more for those with doctorates. For graduates with bachelor's degrees however, the number of jobs was down 3 percent from last year.

Agencies of the federal government obligated nearly $4.5 billion to institutions of higher education during the 1974 fiscal year, according to a report prepared by the National Science Foundation's Division of Science Resources Studies. This was a 17 percent increase in funding over 1973, but inflation absorbed about half this gain.

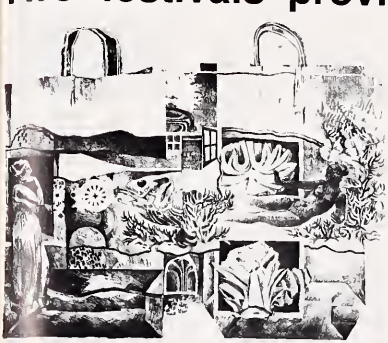
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An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Two festivals provide variety of arts



"Two Bags of Cassarea Images" by Anne Philbin is among the prints in a wide range of media shown in "Prints by Pennsylvania Artists," the Nittany Mountain Summer exhibit in the Museum of Art which will run through Aug. 22.

Administrative review policy

President Oswald, acting on the recommendations of the Joint Senate Administrative Committee on Faculty Participation, has developed an implementation policy for a review of academic administrative offices. Dr. Oswald has now considered and acted upon all the recommendations submitted to him by the committee 18 months ago. The overall objective of the present review is to improve the organization and functioning of the various academic administrative offices, and the President has asked that the process be completed by Jan. 1, 1977. The full text of the review policy appears below:

Definition: For the purposes of this policy, an academic administrative office is one which reports directly or indirectly to the Provost of the University.

Purpose

1. To describe the organization and functioning of an academic administrative office and to provide for the evaluation of the effectiveness of the leadership in carrying out the functions of the office in light of the organization and other factors which may impinge on the office
2. To provide guidance to the academic administrative officer as to strengths and weaknesses of the leadership of that office for the purpose of improving the functioning of the office.
3. To make recommendations, as deemed appropriate, to the next highest academic administrative officer based on the information developed on the organization and functioning of an academic administrative office and the resulting evaluation of the effectiveness of the leadership of that office. The recommendations are to be directed at the improvement of the office and its leadership. If there are instances where a change in leadership is proposed, this information is to be included.

Process

1. Because of the diversity of the University, the specific process for periodic review of academic administrative offices is not prescribed for each unit.
2. Each academic administrative officer directly responsible to the Provost shall, in consultation with the Provost and the appropriate administrative and faculty groups for that office, develop a process for the review of those academic administrative offices reporting to him or her within guidelines listed below.
3. The processes shall include mechanisms whereby faculty of the pertinent unit shall be informed when the review is started, when the review is completed, and that the next highest academic administrative officer has been informed of the results of the review.

Guidelines

1. Academic administrative offices of the University shall be reviewed at intervals of about five years so as to result in no more than twenty percent of the academic administrative offices being reviewed each year. Sometimes it may be desirable to initiate a review when a principal academic office is vacated, e.g., by resignation or retirement.
2. Responsibility for initiating and implementing the periodic review of academic administrative offices rests with the administrator at the next highest level.
3. Academic members of the unit being reviewed shall be significantly involved in the review process. Appropriate academic members from other related units and academic administrative peers are recommended to be included in the review process.
4. The general results of the review shall be made known to the responsible academic administrative officer by the next highest academic administrative officer. Confidentiality of personnel evaluations shall be maintained.

Ballet, theatre, music on campus

A joint public reception will formally open the Nittany Mountain Summer exhibit in the Museum of Art and the Central Pennsylvania Festival of the Arts Juried Crafts Show from 3 to 5 p.m. Sunday, July 11, in the Museum of Art.

"Prints by Pennsylvania Artists," an exhibition of works by some 30 artists living in the State, has been drawn together especially for Nittany Mountain Summer, and will be shown through Aug. 22. The CPFA Juried Crafts Show, which is now on view, may be seen through Aug. 15.

Walter H. Walters, dean of the College of Arts and Architecture, director of University Arts Services and producer of Nittany Mountain Summer, expressed the belief that all Nittany Mountain Summer events will enjoy the highest attendance in the celebration's three years of existence.

"Our efforts to extend the visual and performing arts to all Pennsylvanians rely heavily on the active support and attendance of area audiences," he said.

"Penn State is, during the summer months, developing into the principal arts center for the Commonwealth. It is Pennsylvania's only major arts center to feature both the visual and performing arts and to bring its audiences into informal contact with the artists."

"Increased participation and public support in sharing all these events is our only measure of progress, and Nittany Mountain Summer's future rests to a great extent on 1976," Dean Walters concluded.

Band to play

In the first full week of events, the Grimethorpe Colliery Band will perform its Nittany Mountain Summer concert at 8 p.m. on Sunday, July 11, in University Auditorium. The award-winning brass band of coal miners from Great Britain is performing as part of a Bicentennial tour which will also include a precedent-setting concert at the United Nations, an appearance at Queen Elizabeth's reception for President and Mrs. Ford during the monarch's U.S. visit, and a concert at the National Governors Conference at Hershey.

The Pennsylvania Ballet and Pennsylvania Orchestra will arrive for their annual three-week residency at Penn State on July 12. The first Shirt-Sleeve concert by the orchestra, featuring a wind octet by Beethoven, Ives' "Unanswered Question," Prokofiev's "Classical Symphony," and "Introduction and Allegro" by Ravel, will be performed at 8 p.m. Wednesday, July 14, in University Auditorium.

Due to injuries to dancers, the Pennsylvania Ballet will perform a slightly revised program, including "Eakins' View," the pas de deux from Act II of "The Nutcracker," "Continuum" and "Les Sylphides" at 8 p.m. on Friday and Saturday, July 16 and 17.

Also featured during the first week will be continuing performances in the Festival of American Theatre of "The Golden Apple," free museum tours at 1 p.m. on Friday, Saturday, and Sunday beginning July 16, and the free At Ease with the Pennsylvania Ballet program at 4 p.m. on Saturday, July 17, in University Auditorium.

Nittany Mountain Summer tickets are available at the University Auditorium box office, 865-2242, weekdays from 9 a.m. to 4 p.m.

Nittany Mountain Summer is supported in part by grants from the Pennsylvania State Council on the Arts and the National Endowment for the Arts and by gifts from friends and alumni of the University.

Art sales, films highlight CPFA

In celebration of its 10th anniversary and the nation's Bicentennial, the Central Pennsylvania Festival of the Arts will present a week-long festival, opening Saturday evening, July 10, and running through Sunday, July 18.

The featured performer for this year's festival will be Bob Dorough, a singer, pianist, composer and musical director of the ABC television show, "Schoolhouse Rock." Among the numbers he has written are "Devil May Care," which he recorded with Miles Davis, and a real jazz rarity, "Nothing Like You," sung by Mr. Dorough on Miles Davis's album, "The Sorcerer."

Mr. Dorough will give two performances for children in the festival tent on the Old Main lawn at 10 a.m. and 4 p.m. on Friday, July 16, and an evening performance for adults on Thursday, July 15, at 7 p.m. in the HUB ballroom. He will be assisted by Don Keat of the "Dance Band" and other local musicians.

The second annual fiddler's competition will begin at noon Saturday, July 17, also in the festival tent. The competition is restricted to fiddlers from Pennsylvania, and there will be cash prizes. Each player will bow three tunes of his own choosing.

Fine art and craft shows

The juried fine art and craft exhibitions will run six weeks in University galleries, July 6 to Aug. 14. At the same time, a special invitational exhibition representing works of artists from each of the original 13 states will be held in the Zoller Gallery.

The film programming, which will run for the entire week, will feature American comedy, dance, crafts and children's films. Such film classics as "The Wizard of Oz," "Some Like it Hot," "One A.M." and "Steamboat Bill, Jr.," will be shown in the HUB assembly room or on Old Main lawn.

The expanded arts festival program will include a special Children's Day and an International Day, both centered on the South Allen Street mall. The expanded program will still include the Sidewalk Art Sale and Exhibitions, July 15 to 18, with 465 artists and craftsmen displaying and selling their work along the sidewalks of the University campus. This year the pattern of the sidewalk sale will be a rectangle to avoid confusion.

The Contemporary Dance Company of Central Pennsylvania and the Jazz Dance Theatre will present a joint concert at 6 p.m. on the opening day of the festival, July 10, at the University Auditorium. Jean Sabatine, LaRue Allen and Pat Heigel-Tanner will be in charge of the concert, with men and women from the area performing.

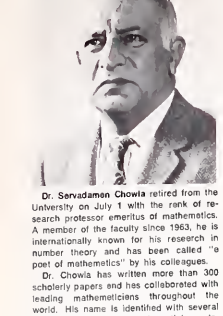
Also for music, the Opera Society of Central Pennsylvania and the State College Music Guild will present concerts in the Music Bldg. recital hall. The Madrigal Singers of the State College Choral Society will perform in the tent and stroll and sing along the sidewalk sale area.

A new feature of the festival this year will be the State College Municipal Band, led by Dr. Warren E. George, head of the department of music education, who has organized a band of adult members of the community to play a concert of American Band Music at 5 p.m. Sunday, July 11, on the Allen Street mall.

A complete program of activities with dates and times will be available at the festival information booth on July 10, and on-campus events are listed in this week's INTERCOM calendar.

PENN STATE COLLECTION

Faculty notes



Dr. Sarvadaman Chowla retired from the University on July 1 with the rank of research professor emeritus of mathematics. A member of the faculty since 1963, he is internationally known for his research in number theory and has been called "a poet of mathematics" by his colleagues.

Dr. Chowla has written more than 300 scholarly papers and hes collaborated with leading mathemeticians throughout the world. His name is identified with several ideas well-known to mathemeticians, including the Bruch-Ryser-Chowla Theorem and the Fekete-Chowla Method. A regular member and a visitor at the Institute for Advanced Study in Princeton, N.J., since 1948, Dr. Chowla's first stay at the Institute was during Einstein's tenure there.

Dr. Chowla was born in London but grew up in India where he received his early education. He holds an M.S. degree from Punjab University (India) and a doctorate from Cambridge University (England). He taught at several universities in India before coming to the United States in 1948 to teach at the University of Kansas. He also served at the University of Colorado before joining the Penn State faculty as research professor of mathematics. He is an honorary foreign member of the Royal Norwegian Academy and an editor of the "Journal of Number Theory." He is also a member of the American Mathematical Society, London Mathematical Society and the Indian Mathematical Society.

In retirement Dr. Chowla plans to continue research in mathematics and to maintain his contacts both at the Institute for Advanced Study and at the University.

The Gulf Oil Foundation has for a second year provided seed money to support research on alternative energy projects. The two projects, which were selected from six proposals by a peer faculty screening committee, are: "Transition Metal Cluster Complexes as Catolysts for the Conversion of Carbon Monoxide and Hydrogen into Organic Feedstocks and Fuels," by **Gregory L. Geoffroy**, assistant professor of chemistry ($5,098); and "Photocatalytic Production of Hydrogen: Investigation of Factors Determining Quantum Efficiency," by **J. F. Houlihan,** assistant professor of physics, Shenango Valley Campus ($5,457.20).

Dr. Geoffroy will examine metal carbonyl catalysts to determine if they will efficiently convert synthesis gas — carbon monoxide and hydrogen — into chemical feedstocks. Successful conversion would create a large non-petroleum source of organic raw materials.

Dr. Houlihan's investigation will focus on photolysis of water to produce hydrogen, using semiconductor electrodes and solar energy. Recent developments have outlined the theory, but the large scale feasibility is another matter. An economical technique would release an enormous new energy source.

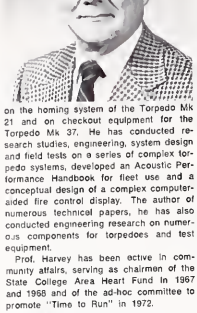
Dr. Ronald A. Smith, associate professor of health and physical education, presented the Seward C. Staley Address, "Excellence and Winning in College Athletics: An Early Model," at the North American Society for Sports History conference June 17 at Eugene, Ore.

William DeW. Horrocks Jr., professor of chemistry, has been invited to present a paper, "Lanthanide Porphyrin Complexes," at two conferences. In July he will speak at the 12th Rare Earth Research Conference in Vail, Colo., and in September at the 17th International Conference on Coordination Chemistry in Hamburg, Germany.

William W. Coleman has been promoted from an assistant to an instructor in food sciences, effective July 1. Mr. Coleman has a B.S. in dairy science and an M.S. in food science from Penn State.

Henry B. Harvey, associate professor of engineering research, is marking his 25th year at the University. A graduate of the Georgia Institute of Technology, where he obtained a B.S. and B.E.E. in physics and electrical engineering in 1951, Prof. Harvey also holds an M.S.E.E. from Penn State. Before coming to the University, he served as a radio officer in the U.S. Merchant Marine from 1945 to 1950.

At ARL, Prof. Harvey has worked in various research, engineering and leadership capacities on projects which have included making sound measurements of running torpedoes, doing engineering work



on the homing system of the Torpedo Mk 21 and on checkout equipment for the Torpedo Mk 37. He has conducted research studies, engineering, system design and field tests on a series of complex torpedo systems, developed an Acoustic Performance Handbook for fleet use and a conceptual design of a complex computer-aided fire control display. The author of numerous technical papers, he has also conducted engineering research on numerous components for torpedoes and test equipment.

Prof. Harvey has been active in community affairs, serving as chairmen of the State College Area Heart Fund in 1967 and 1968 and of the ad-hoc committee to promote "Time to Run" in 1972.

Dr. Philip D. Cady, professor of civil engineering presented the major paper at a symposium on Evaluating and Controlling the Corrosive Effects of Chlorides on Reinforcing Steel in Concrete at the annual meeting of the American Society for Testing and Materials last month in Chicago. The title of Dr. Cady's talk was "Corrosion of Reinforcing Steel in Concrete — A General Overview of the Problem."

Dr. Daniel R. Frankl, professor of physics, has been invited to speak at the Gordon Research Conference on Atomic and Molecular Interactions in Wolfeboro, N.H., Aug. 9-13. He will discuss "Atomic Beam Diffraction and Selective Adsorption."

Dr. Jean E. Brenchley, associate professor of microbiology, has received a Research Career Development Award from the National Institutes of Health (NIH). According to NIH, "Awards in this program are for individuals with clear research potential." The award will support, in part, Dr. Brenchley's research program in the role of transfer-RNA in regulating enzyme synthesis.

Robert J. Ferlez has been named a research assistant in the Applied Research Laboratory. He received his B.S. in electrical engineering from Lowell Technological Institute and his M.S. in electrical engineering from the University of Massachusetts at Amherst. He served for a year as a systems engineer at Hamilton Standard, Inc., Windsor Locks, Conn., and taught mathematics and science for three years in the Leominster, Mass., Public Schools.



Dr. George L. Brandon, professor of vocational education, retired July 1 with emeritus rank. Appointed to the faculty in 1963, he served as director of vocational teacher education and was head of the Department of Vocational Education from 1963 to 1968.

A native of Norwood, Ohio, Dr. Brandon earned his B.S. in industrial education and physical education and his M.A. in industrial education at Miami University, Oxford, Ohio. He received a Ph.D. in industrial education and teacher education from Ohio State University. He was a teacher and vice principal in Ohio high schools and later served as assistant professor of trade and industrial education at Ohio State and as associate professor of industrial education at Michigan State.

Dr. Brandon was deputy director of President Kennedy's Panel of Consultants on Vocational Education in 1962. He also has been a special consultant to the U.S. Office of Education. In 1972 he was one of a six-member task force of the Associated Organizations for Teacher Education, charged with the study of educational personnel for urban schools.

Dr. Karnig Mikaelian, assistant professor of physics, has been invited to attend a two-week summer workshop on Deep Underwater Muon and Neutrino Detection (DUMAND) scheduled for Sept. 6-19 at the University of Hawaii. DUMAND is a project to detect neutrinos and antineutrinos reaching the earth from distant exploding stars. The detectors will be placed deep in the ocean off the island of Hawaii.

Certain principles basic to affirmative action, new officer says

We must not deceive ourselves into believing that words equal deeds when only deeds will count. At the same time, we must not lose sight of the need to communicate what we are doing and why.

William Asbury, Penn State's new affirmative action officer, brought this sign with him from Kent State to hang behind his desk in Willard Bldg.

And he sees no need to dodge questions about his goals with the excuse that he is new on the job.

"Certain things are basic to affirmative action," he says quietly. "Principles like equal access, due process and the requirement to make a good faith effort follow you wherever you go. Because those principles are the same and the law is the same, our reactions to them should be basically similar, no matter if we're at Harvard, General Motors or Penn State. My job will be to assist the University in understanding the moral and legal requirements underlying the affirmative action program and to assure that we make the necessary good faith efforts."

Mr. Asbury does not intend to be deflected from his goals by what he calls "red flags."

"The term 'reverse discrimination' is an example of what I mean by a 'red flag'," he explains. "There is no such thing as reverse discrimination. When people speak about discriminating against white males, that is discrimination — period. And in



William Asbury

principle we do not discriminate against anybody — white males, women, blacks or the handicapped."

Other "red flag" phrases, according to Mr. Asbury, are "lowering quotas" or "hiring less qualified or unqualified persons."

"I don't believe anyone can demonstrate that unqualified persons have been hired here at the insistence of the Affirmative Action Office," he says.

Mr. Asbury has tried out both sides of the desk in the course of his eight-year career in affirmative action work. And he has gained a reputation which he describes as "results oriented but fair."

He garnered one viewpoint in his first job when he served as a senior consultant with an Akron, Ohio, employment agency.

"I had a lot of contact with companies that were attempting to recruit employees in compliance with affirmative action requirements," he notes. "This was in 1969-70, and while I could see that many of the actions the companies took were positive, it was also plain that many others were simply paper commitments to achieve numbers through interviews and contacts. I realized that discrimination was still being practiced and that even though certain categories of persons were interviewed, they had no chance at certain types of jobs. Those jobs just weren't given to the employment agencies; they were filled through the traditional routes."

Mr. Asbury benefitted from these experiences in 1970 when he was hired as contract compliance officer for the city of Akron. Called on to enforce municipal laws relating to non-discrimination on public contracts, he was wise to the ploys which could be used to avoid meaningful compliance.

"During my four years in Akron, our affirmative action program registered a 1400 percent increase in the number of minority contractors doing business with the city," he reports. "Some of the procedures which were established during those years have held up very well."

Mr. Asbury moved from Akron to Kent State in 1974 to take a job as director of human resource ullization. It was e familiar setting for him since he had earnad his B.A. in sociology and anthropology and his M.A. in sociology at Kent State in 1966 and 1973, respectively.

"I found that the principles that had worked when I was with Akron also served me well on campus," he comments. "A university is an employer just like (but not the same as) any large corporation, and while it is necessary to take account of practices such as faculty peer review in hiring and promotion, the situation is not unique under the law. I don't believe faculty should be treated any differently than staff when it comes to civil rights law compliance. After all, the promotion policy covers all positions, and we all get paid for what we do."

A Cincinnati, Ohio, native, Mr. Asbury not only brings a diverse background to affirmative action work to Penn State, he is probably one of the few — if not the only staffer, outside of our coaches, to have played professional football. He was a running back with the Pittsburgh Steelers from 1966 to 1969.

"I had the chance to play against some legendary figures, men like Gayl Sayers, Dick Butkus, Dave Robinson and LeRoy Kelley," he recalls, "and I had an interesting career, but I don't regret not being kept by the Steelers. Practically, football is temporary, and the options available to me now at 33 are a lot more varied than if I'd stayed in sports."

He still keeps in shape, however, with bowling, softball, tennis and handball — not to mention helping his wife, Leslee, watch over three young Asburys, Kelleigh, age 7; Kristin, 4½; and 6-month-old Kimberly.

University Park Calendar

July 8—18

Items to be included in this calender should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special events

Thursday, July 8
Commons Videotape, 12 noon, Kern lobby.
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.

Friday, July 9
Interlandia Folk Dance Club, 7:30 p.m., HUB terrace and ballroom.
GSA Commonspalace Coffeehouse, 8 p.m., Room 102 Kern.
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.
Shavers Creek Nature Center, "Ghoulies and Beasties and Things that go bump in the night," 8 p.m., Stone Valley.

Saturday, July 10
CPFA, Contemporary Dance Company, 6 p.m., University Auditorium.
Festival Theatre, "The Golden Apple," 2 and 8 p.m., Playhouse Theatre.
Shavers Creek Nature Center, evening program, 9 p.m., Stone Velley.

Sunday, July 11
Public reception, Prints by Pennsylvania Artists and CPFA Juried Crafts Show, 3-5 p.m., Museum of Art.
"Film as Art 1976," 4 p.m., HUB assembly room.
Festival Theatre, "The Golden Apple," 7:30 p.m., Playhouse Theatre.
Grimethorpe Colliery Band, 8 p.m., University Auditorium.
Shavers Creek Nature Center, nature-ecology walk, 3 p.m.; evening program, 9 p.m.

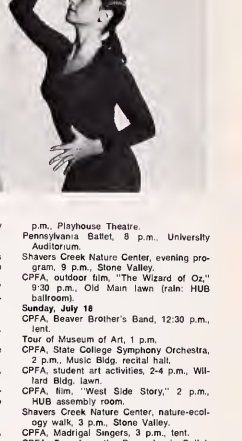
Monday, July 12
CPFA, (Children's day), special feature, "Celebration USA," National Dance Company, 4 p.m., Allen Street Stage (rain: HUB ballroom).
CPFA, dance films, 4 p.m., HUB assembly room.
CPFA, documentary films, 7 p.m., HUB assembly room.
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.
Pennsylvania Orchestra Shirt-Sleeve Concert, 8 p.m., University Auditorium.
Shavers Creek Nature Center, evening nature movie, 9 p.m., Stone Valley.

Tuesday, July 13
CPFA, film, "Midsummer Night's Dream," 4 and 8:30 p.m., HUB assembly room.
CPFA, dance films, 7 p.m., HUB assembly room.
Shavers Creek Nature Center, "Frogs, Toads and Snakes," 7 p.m., Stone Valley.
CPFA, poetry reading and awards, 8 p.m., Henderson Human Development Living Center.
CPFA, State College Music Guild concert, 8 p.m., Music Bldg. recital hall.
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.
University Readers, "Working," by Studs Terkel, 8:30 p.m., Room 112 Kern.

Wednesday, July 14
CPFA, film, "Trouble in Paradise," 4 and 8:30 p.m., HUB assembly room.
CPFA, documentary films, 7 p.m., HUB assembly room.
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.
Pennsylvania Orchestra Shirt-Sleeve Concert, 8 p.m., University Auditorium.
Shavers Creek Nature Center, evening nature movie, 9 p.m., Stone Valley.

Thursday, July 15
CPFA, student art activities, 2-4 p.m., Willard Bldg. lawn.
CPFA, films on crafts, 2 p.m., HUB assembly room.
CPFA, film, "The Lady Eve," 4 p.m., HUB assembly room.
CPFA, Earl Reinhalter, 5 p.m., tent.
CPFA, youth band concert, 6:30 p.m., Old Main lawn.
Shavers Creek Nature Center, marsh walk, 6:30 p.m., Stone Valley.
CPFA, documentary films, 7 p.m., HUB assembly room.
CPFA, Bob Dorough and Friends, 7 p.m., HUB ballroom.
CPFA, Paul Zimmer, poetry reading, 8 p.m., Henderson Human Development Living Center.
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.
CPFA, Little German Band, 8:30 p.m., tent
CPFA, outdoor film, "Swingtime," 9:30 p.m., Old Main lawn (rain: HUB ballroom).

Friday, July 16
CPFA, Bob Dorough, concert for lower elementary children, 10 a.m., tent.
CPFA, State College Community Theatre melodrama, 11 a.m. and 3 p.m., tent.
CPFA, Ben Amato, 12 noon, tent
Tour of Museum of Art, 1 p.m.
CPFA, Songs Back When with Ernie and Ken, 1 p.m., tent.
CPFA, student art activities, 2-4 p.m., Willard Bldg. lawn.
CPFA, films on crafts, 2 p.m., HUB assembly room.
CPFA, Bob Dorough, concert for upper elementary through junior high school age children, 4 p.m., tent.
CPFA, film, "Some Like It Hot," 4 p.m., HUB assembly room.
CPFA, Jerry Zolten, 5 p.m., tent.
CPFA, Rockview Men's Glee Club and Penn Statesmen, 6:15 p.m., HUB assembly room.
CPFA, The Silent Way, 6:30 p.m., tent.
CPFA, Opera Society of Central Pennsylvania, 7 p.m., Music Bldg. recital hall.
CPFA, "Film As Art 1976," 7 p.m., HUB assembly room.
Interlendia Folk Dance Club, 7:30 p.m., HUB terrace and ballroom.
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.
GSA Commonspalace Coffeehouse, 8 p.m., Room 102 Kern.



A dancer in Saturday's concert.

Pennsylvania Ballet, 8 p.m., University Auditorium.
CPFA, Nittany Knights, 8 p.m., tent.
Shavers Creek Nature Center, "Ghoulies and Beasties and Things that go bump in the night," 8 p.m., Stone Valley.
CPFA, outdoor film, "Some Like It Hot," 9:30 p.m., Old Main lawn (rain: cancelled).

Saturday, July 17
CPFA, dance concert for children, 10 a.m. and 12:30 p.m., HUB assembly room.
CPFA, State College Community Theatre Melodrama, 10:30 a.m., tent.
CPFA, gymnastics demonstration, 11 a.m., 1, 3, and 7 p.m., Old Main lawn.
CPFA, fiddler's competition, with performance by Bob Doyle and the Buffalo Chip Kickers, 12 noon, tent.
Tour of Museum of Art, 1 p.m.
CPFA, silent comedy films, 2 and 7 p.m., HUB assembly room.
CPFA, student art activities, 2-4 p.m., Willard Bldg. lawn.
At Ease with the Pennsylvania Ballet, 4 p.m., University Auditorium.
CPFA, dance master class, 4 p.m., North studio, White Bldg.
CPFA, film, "The Wizard of Oz," 4 p.m., HUB assembly room.
CPFA, Dance with Brass and Tape, 5:30 p.m., tent.
CPFA, Renaissance music under the tent by members of the New York Renaissance Band and Friends, 6 p.m., tent.
CPFA, Donne Sommese, pantomime, 7 p.m., tent.
CPFA, Chip and Buddy, 8 p.m., tent.
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.
Pennsylvania Ballet, 8 p.m., University Auditorium.
Shavers Creek Nature Center, evening program, 9 p.m., Stone Valley.
CPFA, outdoor film, "The Wizard of Oz," 9:30 p.m., Old Main lawn (rain: HUB ballroom).

Sunday, July 18
CPFA, Beaver Brother's Band, 12:30 p.m., tent.
Tour of Museum of Art, 1 p.m.
CPFA, State College Symphony Orchestra, 2 p.m., Music Bldg. recital hall.
CPFA, student art activities, 2-4 p.m., Willard Bldg. lawn.
CPFA, film, "West Side Story," 2 p.m., HUB assembly room.
Shavers Creek Nature Center, nature-ecology walk, 3 p.m., Stone Valley.
CPFA, Madrigal Singers, 3 p.m., tent.
CPFA, Four from the Pennsylvania Ballet, 4 p.m., Old Main steps band shell.
CPFA, locally produced films: a program of films by aree film makers of all ages, 4 p.m., HUB assembly room.
CPFA, Stevie and the Six Packs, 5 p.m., tent.
CPFA, sculpture competition awards, Festival rattle drawing, and Centre Regional Consciousness Group awards, 6:30 p.m., tent.
CPFA, The Dance Band, 7:30 p.m., Old Main steps band shell.
Shavers Creek Nature Center, nature-ecology walk, 3 p.m.; evening program, 9 p.m., Stone Valley.
CPFA, outdoor film, "West Side Story," Old Main lawn (rain: HUB ballroom).

Films

Thursday-Sunday, July 8-11
ARHS film, "Three Musketeers," 8 and 10 p.m., Pollock Rec Room.

Friday, July 9
GSA Commonspalace Theatre, "Dr. Strangelove," 7:30 and 9:30 p.m., Room 112 Kern.

Friday-Sunday, July 9-11
United Fed. of Star Trek Fans, "The Time Machine," 7:30 p.m. and 1 e.m., Room 105 Forum.

Thursday-Sunday, July 15-18
ARHS film, "Chinatown," 7:30 and 10:30 p.m., Pollock Rec Room.

Seminars

July 12, 14, 16, 19 and 21
Colloquium Series (Workshop) on Factor Analysis, 11 a.m. to 12:30 p.m., Room 351 Willard. Dr. Karl G. Joreskog, Department of Statistics, University of Uppsala, Sweden.

Thursday, July 15
Dr. Kayla Monroe, membership chairman of non-white concerns, APGA, on "Views on the Black Student and Higher Education," 9-10:30 a.m., Eisenhower Chapel Memorial Lounge.

Lecture

Wednesday, July 14
Bicentennial Summer Lecture Series, Dr. Harrison T. Meserole, professor of English, on "The Literature of the American Revolution," 8 p.m., Room 101 Kern.

Exhibits

Museum of Art: American Paintings and Furniture from the Permanent Collection, Gallery A. Central Pennsylvania Festival of the Arts Juried Crafts Show, Gallery B. Prints by Pennsylvania Artists, opening July 11.

Zoller Gallery: Central Pennsylvania Festival of the Arts, "Always at the Beginning," Pennsylvania Photographs from the 19th Century, opening July 10. Special hours, July 10-14, noon-5 p.m.; July 15-18, noon-9 p.m.

HUB Gallery: The Hallmark Historical Collection, An History of Greeting Cards, through July 9. Central Pennsylvania Festival of the Arts: Elementary and Junior High Art, opening July 10.

Kern Gallery: Rebecca Kamen and Marylin Weisensee, Sculpture and Stitchery, through July 10. Constantine Kermes, Multi-Media Amish Theme. Ann Fisher, Paintings and Drawings of Central Pennsylvania Amish.

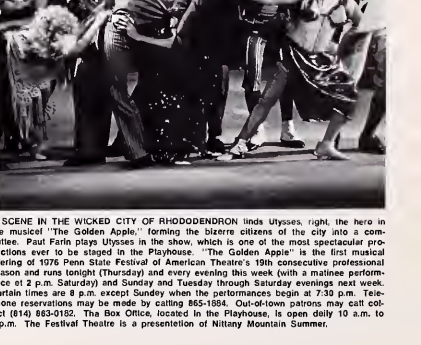
Chambers Gallery: Four Goldsmiths, Eberndorf, Matzdorf, Lectzin, Skoogfors.

WPSX highlights

Beginning at 9 p.m. on Saturday, July 10, **Video and Television Review** will present a 13-part series of works by video artists and documentarians from around the country. The programs also feature reports on trends and techniques in the medium.

Leonard Bernstein leads the New York Philharmonic Orchestra in a concert of American music on a **Great Performances** Special at 8 p.m. on Monday, July 12. Selected for this performance are: Gershwin's "Rhapsody in Blue," Copland's "Lincoln Portrait," Harris' "Symphony no. 3," Bernstein's "Candide Overture," and Sousa's "Stars and Stripes Forever."

Oldtime and bluegrass fiddling highlight **Talkabout** at 10:30 p.m. on Monday, July 12, when Bob Doyle and Matthew Gunlharp discuss the fiddlers' competition held during last year's arts festival.



A SCENE IN THE WICKED CITY OF RHODODENDRON finds Utysses, right, the hero in the musical "The Golden Apple," forming the bizarre citizens of the city into a committee. Paul Farin plays Utysses in the show, which is one of the most spectacular productions ever to be staged in the Playhouse. "The Golden Appie" is the first musical offering of 1976 Penn State Festival of American Theatre's 19th consecutive professional season and runs tonight (Thursday) and every evening this week (with a matinee performance at 2 p.m. Saturday) and Sunday and Tuesday through Saturday evenings next week. Curtain times are 8 p.m. except Sundey when the performances begin at 7:30 p.m. Telephone reservations may be made by calling 865-1884. Out-of-town patrons may call collect (814) 863-0182. The Box Office, located in the Playhouse, is open daily 10 a.m. to 9 p.m. The Festival Theatre is a presentation of Nittany Mountain Summer.

News in brief

Meserole to speak

Dr. Harrison T. Meserole, professor of English, will deliver the third in the Bicentennial Summer Lecture Series at 8 p.m. on Wednesday, July 14, in Room 101, Kern Graduate Bldg. His topic will be "The Literature of the American Revolution."

A member of the faculty since 1957, Prof. Meserole has specialized in early American literature. He teaches undergraduate and graduate courses in Puritan writings, literary currents in the Early National Period, the works of Franklin and Edwards, Eighteenth Century American thought, and literature of the Revolutionary Era.

Editor of the professional journals, "Seventeenth-Century News" and "Seventeenth-Century Editions and Studies," he is a member of the executive board of the Early American Literature Group of the Modern Language Association. His books and articles include "Seventeenth-Century American Poetry," most recently published in 1972; "Edward Taylor's Sources," which appeared in "Directions in Literary Criticism..."; and "New Voices from Seventeenth-Century America," published in a "festschrift in Honor of Harold Jantz." One of his current projects is a new edition of Francis Daniel Pastorius's "Beehive," 1696-1720.

Prof. Meserole is also a nationally-known bibliographer, having served as bibliographer-in-chief of the Modern Language Association. He is the bibliographer and editor-in-chief of the "World Shakespeare Bibliography."

At Penn State, Prof. Meserole is the director of the Center for Bibliography, chairman of the American Studies Committee of the College of the Liberal Arts, director of Graduate Research in English, and associate head of the Department of English.

His lecture is sponsored by the College of the Liberal Arts as a part of the Bicentennial Summer program and is open to the public.

Parking penalty hiked

Because of the recent changes in Pennsylvania's Vehicle Code, certain penalties which used to be discretionary on the part of a magistrate are now mandated. One of these affects parking on private property.

The Department of University Safety advises faculty and staff expecting visitors to campus that the penalty for parking non-registered vehicles on private property now consists of a $15 fine and $10 in costs. To avoid ticketing, visitors should be informed of the designated visitor parking areas prior to coming to campus, whenever feasible. The new regulations went into effect on July 1.

Seminar, July 12

A Seminar on Education Reference Materials will be conducted by Beverly Renford, assistant librarian, at 7 p.m. on Monday, July 12, in W110 Pattee.

Factor analysis workshop

Dr. Karl G. Joreskog, an internationally known expert in multivariate statistics from the Department of Statistics, University of Uppsala, Sweden, is on campus from July 1 to Aug. 15. During that time he will offer a colloquium series (workshop) on factor analysis. Individual sessions will be on July 12, 14, 16, 19 and 21 from 11 a.m. to 12:30 p.m. in Room 351 Willard Bldg. Graduate students and faculty are invited to attend. The colloquium series is jointly sponsored by the Departments of Psychology and Statistics, the College of Education, and the Division of Individual and Family Studies. Further information can be obtained from Dr. Joreskog or Dr. Nesselroade in the Division of Individual and Family Studies, 863-0241.

Hershey gets cancer grant

The Milton S. Hershey Medical Center has been awarded a five-year $703,544 grant from the National Cancer Institute for a Specialized Cancer Research Center.

The National Cancer Institute has established a system of comprehensive and specialized cancer centers to implement the national cancer program plan authorized by the National Cancer Act of 1971. The goal is to provide to the maximum extent possible translation of research results into regular clinical practice so that no citizen will be denied appropriate professional advice and care because of lack of facilities or knowledge.

Dr. Fred Rapp, professor and chairman of microbiology and associate provost and dean for health affairs, is director of the center.

The emphasis of the center at Hershey initially will be in four basic science research areas: chemical carcinogenesis, Dr. Samson T. Jacob, professor of pharmacology, program director; immunology of cancer, Dr. Gerald L. Bartlett, associate professor of microbiology and microbiology, program director; molecular and cell biology, Dr. Charles W Hill, associate professor of biological chemistry, program director, and viral oncology, Dr. M. Ronald Glaser, associate professor of microbiology, program director.

Offices combined

Effective July 1, the Office of University Relations has become a part of the Office of Public Information and Relations, with Kenneth Hershberger retaining his same responsibilities.

In announcing the change, Dr. Stanley D. Ikenberry, senior vice-president for University relations, said that Mr. Hershberger's new title is manager of the Office of Campus Relations.

"Mr. Hershberger, under the new arrangement," he said, "will continue to coordinate activities involving University public occasions and campus visitor information services. In addition, he has assumed responsibility for organizing and operating the newly formed Penn State University Speakers' Bureau."

Dramatic reading July 15

"Working," a dramatic reading program based on the book by Studs Terkel, will be presented by the University Readers at 8:30 p.m. on Thursday, July 15, in Kern Graduate Bldg. The Readers previously presented this program in April to enthusiastic audiences.

Staff vacancies

Staff vacancies to this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in the INTERCOM may be found in the Penn State REPORTER. All University employees who are interested in promotion may apply by calling the Employment Division, 865-1307 (network Line 475-1367). Applications for these staff vacancies will be received until 5 p.m., **July 15, 1974. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

AREA REPRESENTATIVE, CONTINUING EDUCATION — Swarthmore Office of Delaware County Campus

Responsible for the functions of development, organization, operation and administration of Continuing Education programs and services within assigned geographical district. Bachelor's degree or equivalent, with two or three years of effective experience in business, industry or education.

SENIOR RESEARCH AIDE, COLLEGE OF AGRICULTURE — University Park

Assign diseased materials submitted to the Clinic to proper departmental Extension Specialist. Conduct technical inquiries such as macro- and microscopic examination, staining, incubation, sectioning, isolation, assay, etc. to identify causal factor and make routine diagnoses. Supervise clerical, part-time assistants and/or students. Assist faculty with teaching students techniques used in the diagnosis of plant diseases. Bachelor's degree in plant pathology, agronomy, etc., or its equivalent, plus one or two years of directly related experiences.

ART ASSISTANT, DEPARTMENT OF PUBLICATIONS — University Park

Responsible for the graphic design of publications including brochures, magazines, posters, newsletters, etc. Also must be proficient in typography as well as paste-up and other mechanical preparation. A bachelor's degree or equivalent, preferably in art, and two years' experience is required.

PENNTAP SPECIALIST, CONTINUING EDUCATION — University Park

Responsible for visiting industrial concerns to assist in identifying and solving scientific and technical problems. To make research findings available to industry and business. Graduate degree or equivalent in engineering or one of the physical sciences, plus two to four years of experience is necessary. Extensive travel throughout the State.

ASSISTANT PROJECT DIRECTOR FOR COOPERATIVE EDUCATION, STUDENT AFFAIRS — University Park

Responsible to the Project Coordinator for providing assistance in the planning and development of a University-wide Cooperative Education Network. Baccalaureate degree or equivalent plus one to two years of effective experience in higher education, business or industry is required. This is a temporary one year appointment.

Counselors meeting here

High school guidance counselors who have large numbers of black students in their counsel will meet at the University July 13-15 for a special conference, "Concerns and Trends in Counseling the Black Student for Higher Education, in Particular Penn State."

"The conference, which is in keeping with the objectives of the President's Task Force Report on Recommendations for Increasing Black Enrollment, will be held to deepen the understanding and mutual support between Penn State and counselors working with black students," explains Dr. Glenn G. Carter, director of secondary school relations and moderator for the three-day program.

At the opening session at 3 p.m. Tuesday, following words of welcome from President Oswald, Thelma T. Price, special assistant to the President, will outline plans for increasing black enrollment at Penn State.

At the Tuesday night dinner meeting, Dr. Katye Monroe, membership chairman of non-white concerns, American Personnel Guidance Association, and director of guidance and counseling in the Metuchen, N.J., high school system will deliver the keynote address: "Assessing the Secondary and Postsecondary Needs of Black Students."

Following a series of workshops, panel discussions and presentations by University staff members and others, Dr. Carter will serve as moderator for the closing session at 1 p.m. on Thursday. The subject is: "Counselor Recommendations for a More Effective Flow of Black Students into PSU."

As a spin-off of the conference, Dr. Monroe will discuss views on the black student and higher education at an informal seminar from 9 to 10:30 a.m. on Thursday, July 15, in the memorial lounge of the Helen Eakin Eisenhower Chapel. The session is open to all interested members of the faculty and staff.

Dr. Monroe received her undergraduate education in biological science from St. Paul's College in Lawrenceville, Va., and holds M.Ed. and D.Ed. degrees from Rutgers, with majors in counseling and guidance and counseling psychology, respectively. She has held key appointments in the American Personnel Guidance Association and currently serves as president of the New Jersey Association of Black Psychologists.

Funding sources

For further information, call 865-1372

(232-1) The NSF Student Science Training (SST) Program has an Oct. 8 closing date. Three kinds of projects are encouraged: (1) special advanced courses, (2) research participation, and (3) combinations of the first two. (Ref. SE77-20, June 1976)

(232-2) The NEAH National Endowment for the Arts has published application guidelines for **Fellowship Grants under the Dance Touring part of the Dance Program** scheduled in a Grant Calendar as well as a schedule of Dance/Touring Program Application Deadlines. Contact Joseph Krakora (202-634-6380). (Ref. 41FR24642-68, 6/16/76)

(232-3) The OHEW Office of Human Development has announced an Aug. 2 closing date for applications for **Research and Demonstrations in Vocational Rehabilitation.** There are several designated research projects under each of five research areas: (1) research and evaluation utilization, (2) telecommunications, (3) spinal cord injury, (4) end-stage renal disease, and (5) employment opportunities. (Ref. 41FR26056-57, 6/24/76) (CFDA 13.627)

(232-4) The OHEW Office of Education has published its intent to set FY1977 priorities for grants and contracts under the **Vocational Education Program.** More priorities and closing dates for applications for discretionary grants in the Federal Register. (Ref. 41FR25055-56, 6/24/76) (CFDA 13.498)

(232-5) The U.S. Department of Labor has issued final regulations for the **Comprehensive Manpower Program and Grants to Areas of High Unemployment.** Included are general provisions, Title I, Title II, and administrative provisions for programs under CETA. (Ref. 41FR26333-84, 6/25/76)

(232-6) The NIH has issued guidelines and grantee institutions have been notified by the Public Health Service that it is required by law to provide upon request copies of **research and training grant applications and progress reports** for projects which have received PHS funding. Confidential financial or commercial information and other valuable material (e.g., inventions) may be withheld, but principal investigators and grantee officials have only 72 hours to respond to PHS telephone or telegram request for notification of information to be deleted. This information is spelled out in NIH Guide, Vol. 5, No. 7, June 10, 1976.

Elsewhere in academe

The pay of faculty members as a whole kept pace with the cost of living last year, largely thanks to a slowing of inflation, according to a salary survey made by the American Association of University Professors. Faculty women, however, lost ground. In 1974-75, the women averaged 4.5 percent less than their male colleagues in comparable ranks; in 1975-76, the gap widened to 5.2 percent. The percentage of female faculty members fell from 22.5 to 21.7 percent over the same period. The AAUP also noted that while women are gaining in average academic rank, there is an increasing concentration of male faculty members in the upper ranks. Sixty-three percent of all male faculty members are currently professors or associate professors.

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The major trend in undergraduate education between 1967 and 1974 has been a removal of or reduction in curriculum requirements, a Carnegie Council report says. Required general education courses declined from an average of 43 percent to 33 percent during this period, while elective courses were increased. Students tended to choose more courses in areas similar to their field of specialization, and there was a strong trend away from choosing electives in the natural sciences. The report, "Changing Practices in Undergraduate Education," suggested that the declining number of students majoring in the natural sciences may indicate a rejection of the held due as much to its Vietnam war associations as to student reluctance to tackle difficult subjects.

Summer Series in Gerontology

The first annual Summer Series in Gerontology, including credit courses, practitioner workshops, special programs, and one or two-week workshops for older adults, will be held until July 23 at University Park. It opened June 21.

The Summer Series is a continuing education/community service of the Institute for the Study of Human Development Gerontology Center. Its program, probably one of the largest and most comprehensive being offered in the country this summer, is bringing together a cross-generational group to integrate current research and practice relating to older adults and their environments.

Program direction and planning is being supervised by Dr. Tom Hickey, associate chairman of the Gerontology Center and associate professor of human development, and Dr. Dennis R. Hamelster, research associate and associate director for continuing education/community service projects in gerontology.

"Population projections for middle-aged and elderly individuals in our society for the next 25 to 30 years are already established, and they show that greater demands will be placed on existing and anticipated human services," Dr. Hamelster points out. "The only guarantee we presently have that the future personal and social needs of the elderly will be fulfilled, lies in an adequately and professionally trained system of human service experts."

Among the workshops available for Continuing Education Units are: A Philosophy of Increasing Leisure, Administrating Social Services for the Elderly, Communication in the Geriatric Environment, Aspects of Horticulture as Therapy for the Elderly, Counseling Older Adults on Consumer Problems, Art and Aesthetics in the Gerontological Environment, and Educational Gerontology: The Theory and Practice.

Programs designed especially for older adults include Normal Processes of Aging, Poetry Workshop, Workshop in the Visual Arts, Biofeedback and the Control of Your Body, The World of Computers, and a number of special discussion forums.

Brochures containing complete course and workshop descriptions are available by calling 865-1767 or writing to: Dr. Dennis R. Hamelster, Summer Series in Gerontology, Amy Gardner House, University Park, Pa. 16802.

PENN STATE intercom

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An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Shirt-sleeve concert, ballet highlight this week

The first performance of a new work by Pennsylvania Ballet music director Maurice Kaplow will highlight the last of three Nittany Mountain Summer Shirt-Sleeve Concerts by the Pennsylvania Orchestra at 8 p.m. Wednesdays, July 14, 21, and 28, in University Auditorium.

In the second week's concert on July 21, the orchestra, directed by Mr. Kaplow, will perform Stravinsky's "Suite de Pulcinella" and Beethoven's "Concerto for Violin and Orchestra." The New York Renaissance Band, in residence with the orchestre, will also present a segment of the program, performing on authentic early instruments including shawms, recorder, sackbutt, and rauschpfeife.

With "Return," the new work by Mr. Kaplow, the program on July 28 will have a performance by the New York Renaissance Band and will conclude with Beethoven's Eroica Symphony.

The family Shirt-Sleeve Concerts are presented in the summer concert tradition, with informal commentary on the music offered by Mr. Kaplow.

Also in the second week of Nittany Mountain Summer will be the July 23 and 24 performances by the Pennsylvania Ballet at 8 p.m. in University Auditorium. The company will present the American premiere of Gene Hill Sagan's "Sweet Agony," to music by Richie Havens and the late Jimi Hendrix; Benjamin Harkarvy's lighthearted nostalgia, "For Fred, Gene, and M.G.M." to Copland's "Four Piano Blues"; the classical masterpiece, "Symphony in C," by George Balanchine to music by Bizet; and "Concerto Grosso," the spoof on athletics by Charles Czarny to music by Handel.

"Prints by Pennsylvania Painters" continues on view in the Museum of Art, with free tours at 1 p.m. every Friday, Saturday and Sunday through July 31. Other free events will be the Behind-the-Scenes with the play "Little Mary Sunshine" in the Festival of American Theatre at 3 p.m. Friday, July 23, in the Pavilion and At Ease with the Pennsylvania Ballet at 4 p.m. Saturday, July 24, in University Auditorium.

Tickets for Nittany Mountain Summer events are available at the University Auditorium box office.

Pay increases on the way

President Oswald expressed pleasure at Governor Shapp's signing of the 106,759,000 appropriation bill for the 1976-77 fiscal year.

"Now that the appropriation amount is settled," he said, "we can proceed immediately to meet the critical needs of the University, including immediate processing of salary increments for 1976-77."

The appropriation was about $10 million less than the University had initially requested, but Dr. Oswald feels perhaps, "we did as well as we might have reasonably expected, considering the difficult financial situation of the Commonwealth."

To close the $10 million gap, the University eliminated proposed increases in expenditures, reduced budget requests, increased certain revenue estimates and raised tuition 4.9 percent.

"These efforts, combined with the State Legislature's action on the appropriation, allow us to maintain sound educational programs and provide equitable salary increases," Dr. Oswald said.

"My principal regret was the necessity for any increase in tuition for undergraduates from Pennsylvania. I will continue to work toward a no-tuition increase objective for the next fiscal year so that we can continue to be even more responsive to all citizens of the Commonwealth, regardless of their financial condition."

Senate Bill 1560, as approved by the Legislature and the Governor, provides:

Educational and General Expenses	$74,457,000
Cost of Student Aid	1,760,000
Cost of Extension and Public Services	10,911,000
Cost of Research	17,747,000
Instruction — Doctor of Medicine Only	2,784,000

The legislation also authorizes transfer of funds among the items listed (except for Doctor of Medicine which is based on full-time equivalent student enrollment at

(Continued on page two)

"Little Mary Sunshine" to brighten Pavilion theatre stage

"Little Mary Sunshine," the second musical production of the 1976 Penn State Festival of American Theatre's 19th consecutive professional season, opens Thursday, July 22, in the Pavilion Theatre.

This musical satire of the old Jeannette McDonald-Nelson Eddy musicals of yesteryear, was written by Rick Besoyan and won the Drama Rice Award as the best off-Broadway production in 1959.

The story, set in the Rocky Mountains of Colorado in the early 1900s, is a tall tale of romance between the U.S. Forest Rangers and the young ladies of the Eastchester Finishing School, and between Mary Potts alias Little Mary Sunshine, the proprietress of the Colorado Inn, and Capt Big Jim Warington, the statwart leader of the Forest Rangers. There are also a tribe of Indians, several mistaken identities and a villain.

Sheila McCarthy portrays Little Mary Sunshine, and Paul Farin plays Capt. Big Jim Warington. Both are members of Actors' Equity, the professional actors' union, and are currently appearing in the Festival Theatre's musical production of "The Golden Apple."

Frank Kopyc, also a member of Actors' Equity, portrays Chief Brown Bear, Little Mary's foster father and a virtuous Indian, while David G. Hodge plays Yellow Feather, the villainous Indian.

"Little Mary Sunshine" is directed by Archie Smith, with musical direction by Bruce Trinkley and choreography by Jean Sabatine. The scenic designs are by Anne A. Gibson, costume designs by Richard Heironymus, and lighting designs by Charles D. Ping.

The musical will run every evening except Mondays from July 22 to Aug. 7, with matinee performances at 2 p.m. July 31 and Aug. 7. Curtain times are 8 p.m. except Sundays, when performances begin at 7:30 p.m.

Tickets for "Little Mary Sunshine," "The Golden Apple," and "That Championship Season," the final production of the season, are available at the Playhouse Box Office daily from 10 a.m. to 9 p.m.

Merrill D. Peterson, a Jefferson scholar, to talk July 21

Merrill D. Peterson, the nation's best-known scholar of Jeffersonian thought, will deliver the fourth in the Bicentennial Summer Lecture Series at 8 p.m. on Wednesday, July 21, in Room 112 Kern Graduate Bldg. He will speak on "The Revolutionary Mind of Thomas Jefferson."

Prof. Peterson has written several books on Jefferson. His first, "The Jefferson Image in the American Mind," published in 1960, brought him the 1961 Bancroft Prize, which is awarded by the American Historical Association to the author of the most outstanding book of the year.

In 1970, he published "Thomas Jefferson and the New Nation: A Biography." He is the editor of "Thomas Jefferson: A Profile," published in 1967, and "The Portable Thomas Jefferson," published in 1975, both of which contain significant selections from Jefferson's writings.

Since 1962, Dr. Peterson has been the Thomas Jefferson Professor of History at the University of Virginia. He has also served as chairman of the university's Corcoran Department of History. Previously, he taught at Brandeis and Princeton.

New Faculty Club manager promises operation will be tops in area

Penn State's Faculty Club has moved another step nearer to its planned Aug. 30 opening with the hiring of a manager, Donald Gene Estridge.

Mr. Estridge, who arrived on campus July 1 to take up his duties, is untazed by the amount of work he must get through by that date. He has been managing clubs since 1955, and his last job — at Cincinnati's Kenwood Country Club — involved dealing with 750 members, 125 employees, 350 acres of land, a $1.6 million budget, several buildings and two 18-hole golf courses.

Why did he come to Penn State?

"Frankly," he says, "I was getting tired of putting in 80-hour weeks, and I wanted to become involved with e smaller operation. I had spent three years in the 1960s managing the Officers' Club at the U.S. Army War College in Carlisle, and I grew to like this area. My wife and I felt it would be like coming home again."

After 21 years as a club manager and food service technician, Mr. Estridge prides himself on being a perfectionist.

"We are going to have a quality operation with highly competitive prices," he insists, "I want to see the Faculty Club develop into the kind of place where people will want to go because they know things will be done properly. We intend to be the best club in the area in terms of service and food quality."

At the moment, Mr. Estridge is giving top priority to the hiring of a chef, an appointment which he plans to announce later this month.

"I lived 11 years in Europe," he points out, "and I learned to enjoy many different kinds of cuisines. Our menus will feature both Continental and American dishes."



Mr. Estridge

The Faculty Club will have a full-time staff of 15, including a bookkeeper, assistant chefs, bartenders and housemen. Mr. Estridge is also looking for a maitre d' or hostess for the main dining room, where lunch and dinner will be served six days e week, with e brunch menu on Sundays.

The facilities of the club will also be available to members for private entertaining, and Mr. Estridge recommends that reservations for the fall be made as early as possible. (His phone is 863-0405.) The dining room seats about 108 persons, and there are five smaller rooms which can be used for private parties, business meetings, luncheons, dinners or cocktail parties. A cocktail lounge will seat about 60 persons.

Mr. Estridge got started on his career by accident. Born in Brookville, Ind., he enlisted in the Army in 1948 at age 17 and was a First Sergeant by the time he was 20. In 1955, he happened to be stationed in Erlangen, Germany (where incidentally, he also met his wife, Ann) when a fight broke out in the Enlisted Men's Club.

"I was assigned as club manager and told not to let any more incidents occur," Mr. Estridge recalls. "As soon as I took over my duties, I realized how inadequately prepared I was."

To remedy this, he attended an Army-sponsored Cornell University School of Hotel Management Course as well as one offered by the Bureau of Naval Personnel Management School. He gained additional experience managing three clubs and a hotel in Italy and at the Officers' Club at Fort Carson, Colo. From there he was sent to Carlisle Barracks.

"This is one of the top clubs in the Army," he notes. "General Eisenhower was an honorary member there, and I personally catered three events for him."

The Army War College attracts many distinguished visitors, but one Mr. Estridge will never forget was Mme. Chiang Kai-Shek.

"I was told that she only drank a certain rare blend of tea," he reminisces, "and I quite literally spent seven days and seven nights calling around the world until I located a pound of the precious mixture. When she arrived, I greeted her and told her proudly that we had her tea on hand and asked if she'd care for a cup.

"'No thank you,' she replied. 'I prefer Chivas Regal.' I imagine that pound of tea is still hidden away in some Army warehouse."

Mr. Estridge retired from the Army as a Chief Warrant Officer in 1968 after 20 years of service and took a job as assistant manager of the Scarsdale, N.Y., Country Club and then as manager of the Elks Country Club in Kalamezoo, Mich. He moved to Cincinnati in 1971.

"Most food and beverage establishments do a poor job, in my opinion," he sums up. "They're not people-oriented. Regardless of whether you are running an officers' club, a country club or a faculty club, you have to be in the people business to succeed. At Penn State, we plan to succeed."

Members will be able to bring their own bottle for personal consumption at the Faculty Club. Operation as a bottle club will continue while the appeef of the Liquor Control Board ruling is in process.

PENN STATE COLLECTION

University Park Calendar

July 15 - 25

Thursday, July 15
CPFA, student art activities, 2-4 p.m., Willard Bldg. lawn.
CPFA, films on crafts, 2 p.m., HUB assembly room.
CPFA, film, "The Lady Eve," 4 p.m., HUB assembly room.
CPFA Earl Reinhalter, 5 p.m., tent.
CPFA, youth band concert, 6:30 p.m., Old Main lawn.
Shavers Creek Nature Center, marsh walk, 6:30 p.m., Stone Valley.
CPFA, documentary films, 7 p.m., HUB assembly room.
CPFA, Bob Dorough and Friends, 7 p.m., HUB ballroom.
CPFA, Paul Zimmer, poetry reading, 8 p.m., Henderson Human Development Living Center.
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.
CPFA, Little German Band, 8:30 p.m., tent.
University Theatres, "Working," by Studs Terkel, 8:30 p.m., Room 112 Kern.
CPFA, outdoor film, "Swingtime," 9:30 p.m., Old Main lawn (rain: HUB ballroom).

Friday, July 16
CPFA, Bob Dorough, concert for lower elementary children, 10 a.m., tent.
CPFA, State College Community Theatre melodrama, 11 a.m. and 3 p.m., tent.
CPFA, Ben Amato, 12 noon, tent.
Tour of Museum of Art, 1 p.m.
CPFA, Songs Back When with Ernie and Ken, 1 p.m., tent.
CPFA, student art activities, 2-4 p.m., Willard Bldg. lawn.
CPFA, films on crafts, 2 p.m., HUB assembly room.
CPFA, Bob Dorough, concert for upper elementary through junior high school age children, 4 p.m., tent.
CPFA, film, "Some Like It Hot," 4 p.m., HUB assembly room.
CPFA, Jerry Zolten, 5 p.m., tent.
CPFA, Rockview Men's Glee Club and Penn Statesmen, 6:15 p.m., HUB assembly room.
CPFA, The Silent Way, 6:30 p.m., tent.
CPFA, Opera Society of Central Pennsylvania, 7 p.m., Music Bldg. recital hall.
CPFA, "Film As Art 1976," 7 p.m., HUB assembly room.
Interlandia Folk Dance Club, 7:30 p.m., HUB terrace and ballroom.
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre.
GSA Commonsplace Coffeenouse, 8 p.m., Room 102 Kern.
Pennsylvania Ballet, 8 p.m., University Auditorium.
CPFA, Nittany Knights, 8 p.m., tent.
Shavers Creek Nature Center, "Ghoulies and Beasties and Things that go bump in the night," 8 p.m., Stone Valley.
CPFA, outdoor film, "Some Like It Hot," 9:30 p.m., Old Main lawn (rain: cancelled).

Saturday, July 17
CPFA, dance concert for children, 10 a.m. and 12 p.m., HUB assembly room.
CPFA, State College Community Theatre Melodrama, 10:30 a.m., tent.
CPFA, gymnastics demonstration, 11 a.m., 1, 3, and 7 p.m., Old Main lawn.
CPFA, fiddler's competition, with performance by Bob Doyle and the Buffalo Chip Kickers, 12 noon, tent.
Tour of Museum of Art, 1 p.m.
CPFA, silent comedy films, 2 and 7 p.m., HUB assembly room.
CPFA, student art activities, 2-4 p.m., Willard Bldg. lawn.
At Ease with the Pennsylvania Ballet, 4 p.m., University Auditorium
CPFA, dance master class, 4 p.m., North studio, White Bldg.
CPFA, film, "The Wizard of Oz," 4 p.m., HUB assembly room.
CPFA, Dance with Brass and Tape, 5:30 p.m., tent.
CPFA, Renaissance music under the tent by members of the New York Renaissance Band and Friends, 6 p.m., tent.
CPFA, Donna Sommese, pantomime, 7 p.m., tent.
CPFA, Chip and Buddy, 8 p.m., tent.
Festival Theatre, "The Golden Apple," 8 p.m., Playhouse Theatre
Pennsylvania Ballet, 8 p.m., University Auditorium.
Shavers Creek Nature Center, evening program, 9 p.m., Stone Valley
CPFA, outdoor film, "The Wizard of Oz," 9:30 p.m., Old Main lawn (rain: HUB ballroom).

Sunday, July 18
CPFA, Beaver Brother's Band, 12:30 p.m., tent.
Tour of Museum of Art, 1 p.m.
CPFA, State College Symphony Orchestra, 2 p.m., Music Bldg. recital hall.
CPFA, student art activities, 2-4 p.m., Willard Bldg. lawn.
CPFA, film, "West Side Story," 2 p.m., HUB assembly room.
Shavers Creek Nature Center, nature-ecology walk, 3 p.m., Stone Valley.
CPFA, Madrigal Singers, 3 p.m., tent.
CPFA, Four from the Pennsylvania Ballet, 4 p.m., Old Main steps band shell.
CPFA, locally produced films: a program of films by area film makers of all ages, 4 p.m., HUB assembly room.
CPFA, Stevie and the Six Packs, 5 p.m., tent.
CPFA, sculpture competition awards, Festival raffle drawing, and Centre Regional Consciousness Group awards, 6:30 p.m., tent.
CPFA, The Dance Band, 7:30 p.m., Old Main steps band shell.
Shavers Creek Nature Center, nature-ecology walk, 3 p.m.; evening program, 9 p.m., Stone Valley.
CPFA, outdoor film, "West Side Story," Old Main lawn (rain: HUB ballroom).

Monday, July 19
Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Tuesday, July 20
Shavers Creek Nature Center, "Frogs, Toads and Snakes," 7 p.m., Stone Valley.

Wednesday, July 21
Festival Theatre, "Little Mary Sunshine," student preview, 8 p.m., Pavilion Theatre.

Thursday July 22
Commons Videotape, 12 noon, Kern lobby.
Shavers Creek Nature Center, marsh walk, 6:30 p.m., Stone Valley.
Festival Theatre, "Little Mary Sunshine," 8 p.m. Pavilion Theatre.

Friday, July 23
Tour of Museum of Art, 1 p.m.
HUB Terrace Room, In the Good Ole Summer Time Special Dinner, 4:45-7 p.m.
Festival Theatre, "Little Mary Sunshine," Pavilion Theatre. Behind-the-Scenes program 3 p.m.; performance 8 p.m.
Interlandia Folk Dance Club, 7:30 p.m., HUB terrace and ballroom.
GSA Commonsplace Coffeehouse, Magnificent Truck Stop Band, Vil Valigo and John Pierce. 8 p.m., Room 112 Kern.
Shavers Creek Nature Center, "Ghoulies and Beasties and Things that go bump in the night," 8 p.m., Stone Valley.
Pennsylvania Ballet, 8 p.m., University Auditorium.

Saturday, July 24
Tour of Museum of Art, 1 p.m.
At Ease with the Pennsylvania Ballet, 4 p.m., University Auditorium.
HUB Terrace Room, In the Good Ole Summer Time Special Dinner, 4:45-7 p.m.
Pennsylvania Ballet, 8 p.m., University Auditorium.
Festival Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre
Shavers Creek Nature Center, evening program, 9 p.m., Stone Valley.

Sunday, July 25
Tour of Museum of Art, 1 p.m.
Festival Theatre, "Little Mary Sunshine," 7:30 p.m., Pavilion Theatre.
Shavers Creek Nature Center, evening program, 9 p.m., Stone Valley.

Exhibits

Museum of Art: American Paintings and Furniture from the Permanent Collection, Gallery A. Central Pennsylvania Festival of the Arts Juried Crafts Show, Gallery B. Prints by Pennsylvania Artists.

Zoller Gallery: Central Pennsylvania Festival of the Arts, "Always at the Beginning;" Pennsylvania Photographs from the 19th Century, special hours, noon-9 p.m., through July 18.

HUB Gallery: Central Pennsylvania Festival of the Arts: Elementary and Junior High Art.

Kern Gallery: Constantine Kermes, Multi-Media Amish Theme. Ann Fisher, Paintings and Drawings of Central Pennsylvania Amish.

Chambers Gallery: Four Goldsmiths, Ebendorf, Matzdorf, Lectzin, Skoogfors.

Lecture

Wednesday, July 21
Bicentennial Summer Lecture Series, Prof. Merrill D. Peterson on "The Revolutionary Mind of Thomas Jefferson," 8 p.m., Room 112 Kern.

Film

Thursday-Sunday, July 22-25
ARHS film, "Murder on the Orient Express," 7:30 and 10 p.m., Pollock Rec Room.

News in brief

Turn in Reserve reading lists

Reserve reading lists for fall term, 1976, should be submitted to the Main Undergraduate Library on or before Wednesday, July 21, to allow ample time for processing. Lists received after the deadline will be accepted only if material requested is not needed until the beginning of the third week of classes; all reserve lists will be processed strictly in order received. The July 21 deadline provides a reasonable amount of time to order books and to prepare available materials for reserve use.

Only required readings, which will circulate either for a two-hour period or for an overnight loan period, will be placed on reserve. Typewritten lists should be submitted on reserve forms which are available by mail or in person from the Undergraduate Library, W11 Pattee. Faster service can be provided for books which need to be ordered if the publisher, date of publication and price are included on the list.

Telephone lines in short supply

The University is faced with a serious shortage of available telephone lines, according to Telephone Services.

When the present system was originally installed in 1959, there were 1,947 numbers in use. Today, there are 5,630 working numbers, and the system is filled nearing to capacity.

To assist in alleviating this problem, all departments are asked to observe the following guidelines:

- Place an order for a new telephone line only when there is an urgent need for it.
- Check existing service to see if any lines may be eliminated.
- Have several persons in the same office share one line whenever possible.

In the meantime, Telephone Services is exploring all available possibilities to eliminate the problem, and cooperation in observing these guidelines may make it unnecessary to review the service in each department for possible cutbacks.

Retirements



William F. Christoffers, vice president for fiscal affairs since 1971, received his 25-year chair from President Oswald shortly before his retirement on July 1.

He joined the University staff in 1949 as an accountant, was named in 1959 as director of the Division of Accounting Methods in the Office of the Controller, and in 1967 became controller, after holding positions as assistant and deputy controller.

Mr. Christoffers received his B.A. in commerce and finance at Penn State in 1943. In 1955, he enrolled for graduate study at Harvard Graduate School of Business and later did graduate work at Penn State. From 1945 to 1947, he was affiliated with the firm of Dill and Rowland, State College, where he was a senior accountant; and from 1947 to 1949 he was a partner in the firm of Dickmann and Christoffers in Kane, Pa.

Dr. Chester W. Hitz, professor of pomology, retired on May 1 with emeritus rank after 19 years on the faculty. Since 1962, Dr. Hitz has been active with programs of agricultural development in South American countries. This spring he returned after four years in Uruguay, where under contract with the U.S. Agency for International Development, he headed programs to increase that country's agricultural export production.

Dr. Hitz came to Penn State in 1957 to direct teaching and research in pomology. He was head of the department of horticulture and extension specialist at the University of Maine from 1946 until 1948, when he became a member of the department of horticulture at the University of Delaware. A native of Missouri, Dr. Hitz attended Central College in Fayette, Mo., and received his B.S. in agriculture from the University of Missouri in 1936. The University of Maryland granted his M.S. and Ph.D. degrees in pomology.

Pay increases

(Continued from page one)

the rate of $7,465 per student) provided that the aggregate amount transferred into or out of each appropriation during the fiscal year shall not exceed 5 percent of the amount specifically appropriated for that purpose. The Act also authorized the transfer of funds among items in the appropriation of Aug. 31, 1971, provided the amounts transferred do not exceed 5 percent of the amount.

Dr. Robert L. Clewett, professor of business administration, retired July 1 with emeritus rank. He had served 17 years on the faculty.

Dr. Clewett earned his B.A. and M.A. in economics at the University of California at Berkeley and his Ph.D. at the University of Michigan. He taught at Michigan and at Penn's Wharton School prior to coming to Penn State and also worked in the petroleum and insurance industries. In addition to articles in the professional journals, he co-edited "Social Indicators and Marketing" and "Marketing's Role in Scientific Management," both published by the American Marketing Association, of which Prof. Clewett is an active member.

At Penn State, Dr. Clewett's major research and teaching interests in recent years have focused on the interrelationships of business and society, and he has been responsible for developing this area of study, which is now a required part of the M.B.A. program. Dr. Clewett served as the first director of the M.B.A. program at the University and was also director of graduate studies in the College of Business Administration. He was one of the founding members of the Penn State Faculty Club and currently serves as its secretary.

He and his wife, Ann, plan to remain in State College.

Staff vacancies

Staff vacancies in this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in the INTEROFFICE may be found in the Penn State REPORTER. All University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (Hollwork Line 475-1387). Applications for those staff vacancies will be received until 5 p.m., July 22, 1976. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

ASSISTANT MANAGER, AMBULATORY SERVICES — Hershey
Responsible to Manager, Ambulatory Services, for business and administrative functions of the Emergency Care Unit and coordination of all medical staff in the Outpatient Department. Bachelor's degree or equivalent in business administration, plus one to two years of directly related experience.

MANAGER OF PATIENT ACCOUNT SERVICES — Hershey
Responsible to the Director of Fiscal Services for establishing and directing patient account functions to include billing, credit, collection and related activities involving third party and billing problems. Bachelor of science or equivalent in accounting or business administration, plus five to seven years of experience in hospital-patient accounts area, including crediting and collection

From the trustee docket

Appropriation request okayed

Penn State, seeking to hold the line on tuition, will request an appropriation of $125,407,000 from the State for the 1977-78 fiscal year.

The Board of Trustees, at their meeting last Saturday, approved the proposed appropriation and a capital program request of $28,086,000 for the 1977-78 fiscal year.

In its appropriation request, the University seeks $18,648,000, or 17.5 percent, more than the $106,759,000 it received for the current year. The request includes $3,942,000 for medical education programs in the College of Medicine.

Explaining budget proposals, President Oswald noted that no increase in tuition rates is proposed.

"Our tuition has been raised for each of the last nine years to help meet rising costs, most of which have resulted from inflation," said Dr. Oswald.

"I am hopeful that the State will have the necessary resources to help us to meet our goal of no tuition increase for the 1977-78 year."

Of the new funds being sought from the State, Dr. Oswald said, $16,619,000 — or 89.1 percent — are needed to meet the increased costs of inflation for salaries, mandated staff benefits, supplies, services, fuel and utilities.

Dr. Oswald emphasized that more State support is needed to meet the critical needs of medical education in the College of Medicine.

The State support of $7,465 for the education of each medical student at Hershey has not changed since the 1971-72 year. In spite of large increases in inflation, Penn State seeks to increase this per capita contribution to $10,568 for the 1977-78 year.

Dr. Oswald further noted that additional funds are needed to:

—Offset the "partial erosion of University funds supporting student aid as tuition has increased." An increase of $317,000 is being sought for this purpose. (This line item in the State appropriation has not been increased since 1973-74.)

—Restore $2,211,000 for the academic equipment replacement, physical plant maintenance and academic support programs (University Libraries and Computation Center). "Support for these important functions," said Dr. Oswald, "has not been adequate in recent years due to the necessity for budget cutbacks and internal reallocations."

—Restore $800,000 in funds to the Cooperative Extension Services for its programs. "More than 40 county and state specialist positions," Dr. Oswald added, "have been collapsed or have remained unfilled because the available funds for Cooperative Extension have not kept pace with inflation over the last several years."

—Allow $757,000 for the maintenance and operation of new facilities.

New or expanded programs will be provided, to the extent possible, through reallocation of existing resources, said Dr. Oswald. No additional income is projected from additional students.

Included in the $28,086,000 capital request are $26,525,000 for construction projects and $1,561,000 for original equipment for projects financed by the State Department of General Services.

The emphasis in the capital program, said Dr. Oswald, is "placed on utility changes to improve safety, environmental control and the utilization of energy at University Park. A large part of this program is being mandated by the Federal Environmental Protection Agency and the Pennsylvania Department of Environmental Resources." The University seeks $5,600,000 to meet these requirements.

The proposed projects include construction of the Nursing Education Building at the University Park campus. Costs would be $4,075,000, including built-in equipment. Dr. Oswald noted that this is the only new project at University Park. This project, being funded 65 percent by federal funds, is listed in place of the Human Development classroom, laboratory and office building, which was included last year in the 1977-78 capital programs.

The capital program also includes a series of construction projects, which, according to Dr. Oswald, "would provide the Commonwealth Campuses with a basic cadre of buildings to meet the needs of educational programs, and to assure a more fully developed educational building complex at the Behrend College at Erie."

The amount approved for the Behrend project is $7,721,000.

Included are multi-purpose buildings at three campuses: Fayette ($2,951,000), Mont Alto ($2,951,000) and Berks ($3,227,000).

Equipment requests total $1,561,000. The breakdown is:

—$481,000 for an addition to the Physical Sciences Building, University Park.

—$477,000 for the Physical Education Building, Capitol Campus.

—$306,000 for the multi-purpose building, Schuylkill Campus.

—$260,000 for the multi-purpose building, Altoona Campus.

—$22,000 for the expansion of utilities on all campuses.

—$15,000 for the sewage treatment system, University Park.

College of Education reorganized

Reorganization of the College of Education has been approved by the Board of Trustees.

Under the reorganization plan, submitted by Dean Henry J. Hermanowicz, the College's nine academic units, which vary in size, scope of programs, and student enrollments, will be reorganized into six broad, multi-program divisions.

The units being reorganized are the Division of Academic Curriculum and Instruction, Division of Education Policy Studies and the Departments of Art Education, Music Education, Counselor Education, Educational Psychology, Home Economics Education, Vocational Education and Special Education.

Related programs and faculties will now be grouped in these divisions — Division of Curriculum and Instruction, Division of Occupational and Vocational Studies, Division of Counseling and Educational Psychology, Division of Special Education, Division of Art and Music Education, and Division of Education Policy Studies.

"The reorganization will involve some reduction of administrative overhead," Dean Hermanowicz said, "and will facilitate greater flexibility of resource utilization, personnel assignments and program adaptability. At the same time, the new academic divisions will have greater comparability in size."

Stedium expansion under study

A detailed consulting project, which could lead to an expansion of the seating capacity at Beaver Stadium by 1978, is underway. Engineering feasibility and cost studies are expected to be presented to the trustees in September, President Oswald informed the Board's Physical Plant Committee at its meeting last weekend.

By mid-September, 1976, the study should produce alternate proposals involving engineering and cost feasibilities for the various construction schemes under consideration. Tentative plans call for the opportunity to authorize the appointment of an engineer by the Board in September. Detailed design programs will follow, possibly for consideration by the trustees at their November, 1976, or January, 1977, meeting.

With its present capacity of 60,203, Beaver Stadium is the largest all-steel stadium in the country and probably in the world. It now towers 90 rows high on the east side and 80 rows high on the west side, from goal line to goal line. The closed end of the horseshoe-shaped stadium is 40 rows high.

Physical plant changes

.n several actions effecting the physical plant of the University Park Campus, the Board of Trustees.

— Approved plans for the renovation of g.ie.ts rooms at the Nittany Lion Inn, the improvements to include furnishings, fixtures, bathroom facilities, painting, wall covering and carpeting, with costs not to exceed $400,000 and to be paid from earnings.

— Approved construction of e one-story addition to the northwest corner of the Food Stores Bldg. to provide about 2,400

(Continued on page four)

PENN STATE
intercom
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Elmore M. Browne, director of the Black Cultural Center, examines mobile exhibit of black history visiting campus through July 29. Van adjoins HUB Terrace Room entrance and is open 9 a.m. to 9 p.m. On view are rare artifacts, a chronology of black life in Pennsylvania and audio-visual exhibits.

News in brief

Identification cards readied

The Office of Personnel Administration recently began a program of distributing new, wallet-sized identification cards for full-time members of the faculty and staff. The program is being coordinated through the offices of personnel representatives at University Park and business managers at all other locations. Each employee participating in the insurance benefits program will receive one of the new cards.

Recipients should find the new card useful in situations requiring identification as a University employee. Typical examples include obtaining reduced educational rates at hotels and motels and at University athletic events and facilities. Another important use of the card is reflected on the side confirming membership in the UNICARE plan of group health insurance. This positive means of identification should alleviate some of the difficulties which faculty and staff members have experienced in gaining admission to an away-from-home medical facility.

For faculty and staff members who desire a more personalized card, the Office of Personnel Administration is equipped to take individual photos, which are placed on the card and then bonded with a hard, clear plastic covering. To obtain this service, faculty and staff members must bring their signed cards to the Employee Benefits Office, Room 133 Willard Bldg., between the hours of 8 a.m. to 12 noon and 1 p.m. to 4 30 p.m., Monday through Friday. The office will also be open over the noon hour during September. A charge of 50 cents (cash only) will be made to cover the cost of materials.

Any faculty or staff member who is not able to visit Willard Bldg. in person may obtain the same service by sending a personal photograph to the above location with his or her signed identification card and a cash remittance of 25 cents. Any size photo may be submitted so long as the facial portion of the photo can be cut to fit a space of 1 x 1¼ inches. All mailed-in requests will be returned without processing if the photo does not meet the above specifications, if the card is not appropriately signed, or if the cash remittance is not received.

Telephone inquiries concerning the new program may be directed to the Employee Benefits Division, 865-1473, or network line 475-1473.

WATS service off July 30-Aug. 1

Telephone Services would like to remind all WATS users at the University Park Campus that there will be no WATS service Friday, Saturday and Sunday, July 30, 31, and Aug 1. An improved WATS service will be installed during this period so an interruption of service is unavoidable.

Effective Aug. 2, there will be a change in the numbers users must dial to place WATS calls. Instructions have been mailed to all departments, but if the information has not been received, it may be obtained by calling Telephone Services, 865-8311.

Record private giving

Private giving to the University reached an all-time high of $5,771,188.73 at the conclusion of the current academic year on June 30, according to a report issued by the Office of Gifts and Endowments.

Corporation giving was a record $2,022,-616.92. The total number of gifts received was 27,904, 7,531 more than last year.

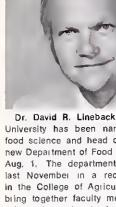
Alumni gifts totaled $1,290,193.29 as compared to $878,763.45 in 1974-75; gifts from friends rose from $615,874 22 last year to $790,703.49 in 1975-76. Total gifts received last year amounted to $5,290,-036.66.

HUB summertime dinner

"In the Good Ole Summertime" is the name the HUB has chosen for its next special Terrace Room dinner, scheduled for Friday and Saturday, July 23 and 24, from 4:45 to 7 p.m. The menu includes roast turkey with cornbreed dressing, steamship round of beef e jus, crab imperial, pork chops with citrus sauce, shish kebebs with curry sauce and veal braised in wine.

PENN STATE COLLECTION

Faculty notes



Dr. David R. Lineback of Kansas State University has been named professor of food science and head of the University's new Department of Food Science, effective Aug. 1. The department was established last November in a reorganization within the College of Agriculture designed to bring together faculty members with food science interests who had been scattered among the departments of dairy, animal, poultry and horticultural sciences. At the same time, production and management personnel in dairy science and animal science combined to form the Department of Dairy and Animal Science.

Dr. Lineback, who has been with the Department of Grain Science and Industry at Kansas State since 1969, served as chairman of the food science coordinating committees there, with responsibility for administering interdepartmental undergraduate and graduate programs. Since 1971, he has been assistant head of the department and holds the academic rank of professor. Prior to his appointment at Kansas State, he was an assistant professor of biochemistry and nutrition at the University of Nebraska.

Dr. Lineback earned a Ph.D. in organic chemistry-carbohydrates in 1962 from Ohio State University. His B.S. in chemistry was conferred by Purdue. His research interests have been in the field of carbohydrate chemistry and enzymology and in grain utilization in developing nations. He is co-author of more than 25 papers published in professional journals and of a text, "Food Analysis: Theory and Practice." He serves on the Education Committee of the American Association of Cereal Chemists and has been chairman of the Carbohydrate Division and also associate editor of the association.

Dr. Parris H. Chang, professor of political science, was invited by the U.S. Department of State to deliver a lecture on the role of the military in China to the Foreign Service Institute on June 16. On June 23, Dr. Chang testified before the Subcommittees on Future Policy Research and Development of the House Committee on International Relations. The Subcommittee was conducting hearings on the great power triangular relationship, and Dr. Chang presented a statement on United States' policy toward Peking and Taiwan and also took part in the discussion of the normalization of relations between Washington and Peking.

Dr. Robert K. Murray, professor of American history, scored a sweep of the three television networks during the Democratic convention. He appeared as a guest on NBC's "Today" show and on ABC News with Harry Reasoner and also served as a participant on a WCBS-TV Special on the 1924 Madison Square Garden Democratic convention. Prof. Murray is the author of a recently published book on that convention, "The 103rd Ballot."

Daryl S. Ramsey has been named instructor in music education and assistant director of the Penn State Blue Band. A graduate of Carson-Newman College in Jefferson City, Tenn., with a B.M.E., he has an M.A. in music education from the University of Iowa where he has been working on his Ph.D. Mr. Ramsey served three years as a high school band director and teacher in Coeburn, Va.

Dr. Helen B. Volz has been elected vice president for professional standards and practices of the Pennsylvania Speech and Hearing Association. Dr. Volz is an assistant professor of speech pathology.

Dr. Ronald F. Abler, associate professor of geography, is the co-author of "The Twin Cities of St. Paul and Minneapolis," a monograph published by the Ballinger Press. The other authors are Dr. John S. Adams and Dr. John R. Borchert, both at the University of Minnesota. Dr. Adams is a former Penn State faculty member.

The book, an historical geography of the Twin Cities' metropolitan region, focuses on processes of urban change over the last several decades. It is a publication of the Comparative Metropolitan Analysis Project, which was sponsored by the Association of American Geographers and funded by the National Science Foundation to provide an assessment of the progress being made toward meeting human needs in America's 20 largest metropolitan regions.

Ogontz Campus faculty members, **Dr. Lita L. Schwartz**, professor of educational psychology, and **Dr. Hubert Beer**, associate professor of history, presented invited papers at the World Educators Conference on Multicultural Education July 11-16 in Honolulu. Their panel topic was "Asian-Americans: Then, Now, and Tomorrow."

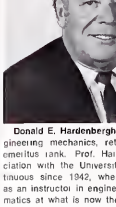
Robert R. Brownlee has been appointed senior research associate in electrical engineering, effective July 1. He had been a design engineer in the Electronic Services group at the University, and prior to that, was an assistant professor of engineering research at ARL. He holds B.S. and M.S. degrees in electrical engineering from Penn State. Mr. Brownlee has been very active in the cardiac pacemaker project, which is directed by Dr. G. Frank O. Tyers, associate professor of surgery at Hershey. Mr. Brownlee is co-inventor of an implantable, rechargeable pacemaker, which has a life span over 30 times longer and between charges than other pacemakers currently in use. His work has resulted in the award of five patents.

Dr. C. Gregory Knight, associate professor of geography, is co-editor of a new textbook, "Contemporary Africa: Geography and Change," published by Prentice-Hall, Inc. The major topics covered in the book are persistence of the past, parameters of change, rural change, urban change, rural-urban linkages, modernization and Africa in the world. Dr. Knight has written chapters on "Wildlife" and "Prospects for Peasant Agricultures" and is co-author of an introductory chapter on "Contemporary Africa." Two other geography department faculty members prepared material for the volume. **Dr. Peter Gould** has written on "Tanzania 1920-1963: The Spatial Impress of the Modernization Process," while **Dr. A. Y. Williams'** chapter is entitled "Tourism."

Sabbatical leaves have been granted to six members of the faculty. **C. Wayne Bardin**, professor of medicine and chief of endocrinology at Hershey, is on leave from July 1 through December to do research at the National Institutes of Health to develop techniques for isolating the androgen receptors and to learn more about the mechanism of androgen action. During the coming fall, winter and spring terms, **Priscilla N. Cohn**, associate professor of philosophy at Ogontz, will investigate classical and contemporary philosophical writings on death, in connection with an interdisciplinary course which will be offered on the subject. **Thomas P. Hettmansperger**, associate professor of statistics, will work with Prof. John Tukey, one of the world's foremost statisticians, at Princeton University from September through February. Research on 19th century European expansion and on the interaction of Europeans with Asians and Africans will occupy **Claire Hirschfield**, associate professor of history at Ogontz, during fall and winter terms. Another Ogontz faculty member, **William T. Roberts**, associate professor of history, will spend spring and fall terms, 1977, as a visiting professor at the University of Adelaide, Australia. From September through May, **Charles P. Thornton**, professor of petrology, will study the petrology and petro-chemistry of the volcanoes of the Indonesian Island arc.

Dr. Kenneth S. Clarke, professor and chairman of health education, presented an invited talk as part of a panel on Drugs in Sports at the 1976 International Congress of Physical Activity Sciences.

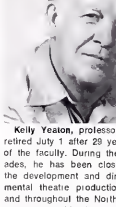
Retirements



Donald E. Hardenbergh, professor of engineering mechanics, retired July 1 with emeritus rank. Prof. Hardenbergh's association with the University has been continuous since 1942, when he started out as an instructor in engineering and mathematics at what is now the Schuylkill Campus. He had received a B.S. in civil engineering from Penn State in 1939. In 1944, Prof. Hardenbergh came to University Park as an instructor in the Department of Civil Engineering and soon after transferred to engineering mechanics. In 1946, he received his M.S. in engineering mechanics and was appointed an assistant professor in that department.

During his career at Penn State, Prof. Hardenbergh has taught courses for the Departments of Physics, Mathematics, Civil Engineering, and Engineering Science and Mechanics. He is the author of a textbook, "Introduction to Dynamics," and co-author of another textbook, "Introduction to Statics." From 1956 until 1964, he directed research on a project designed for the U.S. Atomic Energy Commission, testing stresses at nozzle connections in pressure vessels. Prof. Hardenbergh also served as the scheduling officer in his department, and was a member of the University Faculty Senate.

He and his wife, Esther, are moving to Albuquerque, N.M.



Kelly Yeaton, professor of theatre arts, retired July 1 after 29 years as a member of the faculty. During the past three decades, he has been closely involved with the development and direction of experimental theatre production at Penn State and throughout the Northeast. Mr. Yeaton was responsible for the development of undergraduate general education requirements in the arts, and was supervisor of courses in the Department of Theatre Arts and Film for students working in secondary education programs. He taught courses in theatre management, educational theatre, acting, directing, central staging, radio drama and commedia dell' arte, and is widely known to area audiences as the director of such Penn State productions as the Orson Wells' adaptation of Melville's "Moby Dick," and most recently, William Saroyan's "Jim Dandy."

Mr. Yeaton was born in Portland, Me., and majored in English at Tufts College. His M.S. in theatre arts was granted by the University of Washington in Seattle. Mr. Yeaton had wide experience in various aspects of the theatre before joining the Penn State faculty in 1947. He was associated with the Ogunquit Playhouse, Ogunquit, Me.; the Mummers of St. Louis; the Little Theatre of Lafayette, Ind.; and the Erie Playhouse. He has taught at the Dramatic Workshop of the New School for Social Research, Ohio University and SUNY at Albany and Geneseo. Mr. Yeaton is the author of several books: "Memorization by Analysis," "A Plan for Acting" and "The Most Human Art." He has also published a number of professional papers, and his articles have appeared in "Theatre Arts," "Dramatics," "Players," "Minicam" and "Tulane Drama Review."



Woltgang E. Meyer, professor of mechanical engineering and head of the Automotive Research Division of The Pennsylvania Transportation Institute, retired on July 1 with emeritus rank after 29 years on the faculty. His extensive involvement in automotive research has included investigation of diesel and stratified charge engine problems, tire-pavement friction, pavement slipperiness, hydroplaning, bridge ice detection, tire and vehicle performance on ice and snow, and automatic braking systems.

Prof. Meyer has been the inventor or co-inventor on six patents, has published approximately 65 papers, and served as associate editor of the "High Speed Ground Transportation Journal." He earned the Award of Merit of the National Safety Council's Metropolitan Life Awards for Research in Accident Prevention in 1968, based on his work on skid resistance requirements. He has been a consultant to many business and government organizations, represents the United States at the Committee on Slipperiness of the Permanent International Association of Road Congresses, and has served on various committees of the National Academy of Sciences.

Prof. Meyer came to the United States in 1937 from his native Germany, where he had received a B.S. in mechanical engineering from the Technical University at Stuttgart in 1933, and the advanced diploma with honors in mechanical engineering from the Technical University at Hanover in 1935. For a short time after his arrival in the United States, he was a graduate student in the Penn State Engineering Experiment Station and returned there in 1947 after experience in industry.

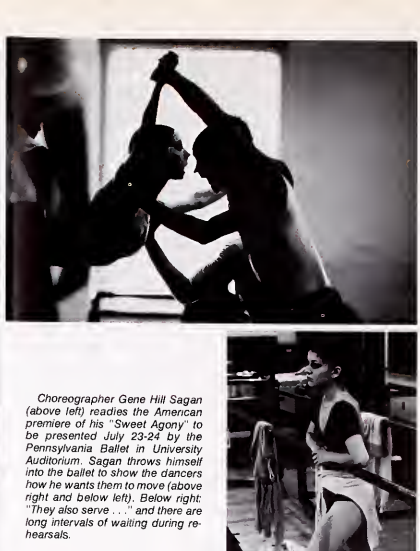


Dr. Maurice E. Bell retired on June 30 as associate dean emeritus of research in the College of Earth and Mineral Sciences and professor of geophysics. A member of the faculty for 20 years, Dean Bell received his Sc.B. summa cum laude from Kenyon College in 1932 and his Ph.D. from Massachusetts Institute of Technology in 1937.

After receiving his doctorate, he was employed as a research and development engineer by the Westinghouse Electric and Manufacturing Company and then as a member of the Harvard Underwater Sound Laboratory. During World War II, he served with the Operations Evaluation Group, U.S. Navy, holding the position of deputy director of research, project leader for the Air Anti-submarine Warfare Section, and project leader and scientific analyst for guided missiles. In early 1948, he became a member of the scientific staff of the London Branch of the Office of Naval Research and later joined Sylvania Electric Products, Inc. He came to Penn State in 1956 as professor of geophysics, director of the Earth and Mineral Sciences Experiment Station and assistant dean for research in the College.

Dean Bell holds two patents, one on the treatment of bearing surfaces with lubricants, the second for a brake for a rotary anode X-ray tube, and is co-holder of a patent for a method of applying luminescent coatings.

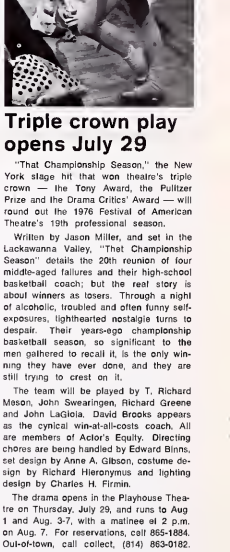






Choreographer Gene Hill Sagan (above left) readies the American premiere of his "Sweet Agony" to be presented July 23-24 by the Pennsylvania Ballet in University Auditorium. Sagan throws himself into the ballet to show the dancers how he wants them to move (above right and below left). Below right: "They also serve . . ." and there are long intervals of waiting during rehearsals.

Photos by Steve Harlin



University Park Calendar, July 22—Aug. 1

Special events

Thursday, July 22

Commons Videotape, 12 noon, Kern lobby.

Shavers Creek Nature Center, marsh walk, 6:30 p.m., Stone Valley.

Festival Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre.

Friday, July 23

Tour of Museum of Art, 1 p.m.

HUB Terrace Room, in the Good Ole Summertime Special Dinner, 4:45-7 p.m.

Festival Theatre, "Little Mary Sunshine," Pavilion Theatre. Behind-the-Scenes program 3 p.m.; performance 8 p.m.

Interlandia Folk Dance Club, 7:30 p.m., HUB terrace and ballroom.

GSA Commonsplace Coffeehouse, Magnificent Truck Stop Band, Yll Vallejo and John Pierce, 8 p.m., Room 112 Kern.

Shavers Creek Nature Center, "Ghoulies and Beasties and Things that go bump in the night," 8 p.m., Stone Valley.

Pennsylvania Ballet, 8 p.m., University Auditorium.

Saturday, July 24

Tour of Museum of Art, 1 p.m.

At Ease with the Pennsylvania Ballet, 4 p.m., University Auditorium.

HUB Terrace Room, In the Good Ole Summertime Special Dinner, 4:45-7 p.m.

Pennsylvania Ballet, 8 p.m., University Auditorium.

Festival Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre.

Shavers Creek Nature Center, evening program, 9 p.m., Stone Valley.

Sunday, July 25

Tour of Museum of Art, 1 p.m.

Festival Theatre, "Little Mary Sunshine," 7:30 p.m., Pavilion Theatre.

Shavers Creek Nature Center, evening program, 9 p.m., Stone Valley.

Tuesday, July 27

Shavers Creek Nature Center, "Frogs, Toads and Snakes," 7 p.m., Stone Valley.

Festival Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre.

Wednesday, July 28

GSA outdoor concert, Silent Way, 7:30 p.m., Fisher Plaza.

Festival Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre.

Pennsylvania Orchestra Shirt-Sleeve Concert, 8 p.m., University Auditorium.

Festival Theatre, "That Championship Season," student preview, 8 p.m., Playhouse Theatre.

Shavers Creek Nature Center, evening nature movie, 9 p.m., Stone Valley.

Thursday, July 29

Commons Videotape, 12 noon, Kern lobby.

Shavers Creek Nature Center, marsh walk, 6:30 p.m., Stone Valley.

Festival Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre.

Festival Theatre, "That Championship Season, 8 p.m., Playhouse Theatre.

Friday, July 30

Tour of Museum of Art, 1 p.m.

Interlandia Folk Dance Club, 7:30 p.m., HUB terrace and ballroom.

Festival Theatre, "That Championship Season," Playhouse Theatre. Behind-the-Scenes program 3 p.m.; performance 8 p.m.

GSA Commonsplace Coffeehouse, Buddy Ungson & Friends, 8 p.m., Room 102 Kern.

Pennsylvania Ballet, 8 p.m., University Auditorium.

Festival Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre.

Catherine Havens, soprano vocal recital, 8:30 p.m., Music Bldg. recital hall.

Shavers Creek Nature Center, "Ghoulies and Beasties and Things that go bump in the night," 8 p.m., Stone Valley.

Saturday, July 31

Tour of Museum of Art, 1 p.m.

At Ease with the Pennsylvania Ballet, 4 p.m., University Auditorium.

Festival Theatre, "That Championship Season," Playhouse Theatre. Matinee 2 p.m.; evening performance 8 p.m.

Festival Theatre, "Little Mary Sunshine," Pavilion Theatre. Matinee 2 p.m.; evening performance 8 p.m.

Pennsylvania Ballet, 8 p.m., University Auditorium.

Shavers Creek Nature Center, evening program, 9 p.m., Stone Valley.

Sunday, Aug. 1

Festival Theatre, "Little Mary Sunshine," 7:30 p.m., Pavilion Theatre.

Festival Theatre, "That Championship Season," 7:30 p.m., Playhouse Theatre.

Shavers Creek Nature Center, nature-ecology walk, 3 p.m.; evening program, 9 p.m., Stone Valley.

Seminar

Monday, July 26

Biomechanics, 4 p.m., Room 206 Biomechanics Lab. Dr. Ian A. F. Stokes, Polytechnic of Central London, on "Forces on the Foot as a Cause of Injury and Deformity."

Films

Thursday, July 22-Sunday, July 25

ARHS film, "Murder on the Orient Express," 7:30 and 10 p.m., Pollock Rec Room.

Thursday, July 29-Sunday, Aug. 1

ARHS film, "Take the Money and Run," 8 and 10 p.m., Pollock Rec Room.

Friday, July 30

GSA film, "Lolita," 7 and 9:30 p.m., Room 112 Kern.

Saturday, July 31

GSA outdoor film, "The General" (silent film with piano), 9 p.m., Fisher Plaza.

Exhibits

Museum of Art: American Paintings and Furniture from the Permanent Collection. Central Pennsylvania Festival of the Arts Juried Crafts Show. Prints by Pennsylvania Artists.

HUB Gallery: Central Pennsylvania Festival of the Arts: Elementary and Junior High Art.

Kern Gallery: Constantine Kermes, Multi-Media Amish Theme, through July 31. Ann Fisher, Paintings and Drawings of Central Pennsylvania Amish, through July 31. Aliza Promisse, Prints, opening Aug. 1.

Hammond Gallery: M.F.A. Show, Anthony Herrera, Paintings, opening Aug. 1.

Chambers Gallery: Melanie Lynch, Hangings; Marjorie Johnstone, Rugs, opening July 26.

Calendars available

Anyone interested in ordering the 1976-77 Penn State Calendars, published in book form by the Undergraduate Student Government, may order them at 50 cents a copy at Room 214 HUB. Minimum order is two copies, and checks should be made payable to Undergraduate Student Government. The calendar includes information on many athletic events, Artists Series programs and information on registration dates, exam schedules, etc.

Triple crown play opens July 29

"That Championship Season," the New York stage hit that won theatre's triple crown — the Tony Award, the Pulitzer Prize and the Drama Critics' Award — will round out the 1976 Festival of American Theatre's 19th professional season.

Written by Jason Miller, and set in the Lackawanna Valley, "That Championship Season" details the 20th reunion of four middle-aged failures and their high-school basketball coach; but the real story is about winners as losers. Through a night of alcoholic, troubled and often funny self-exposures, lighthearted nostalgia turns to despair. Their years-ago championship basketball season, so significant to the men gathered to recall it, is the only winning they have ever done, and they are still trying to crest on it.

The team will be played by T. Richard Meson, John Swearingen, Richard Greene and John LaGioia. David Brooks appears as the cynical win-at-all-costs coach. All are members of Actor's Equity. Directing chores are being handled by Edward Binns, set design by Anne A. Gibson, costume design by Richard Hieronymus and lighting design by Charles H. Firmin.

The drama opens in the Playhouse Theatre on Thursday, July 29, and runs to Aug 1 and Aug. 3-7, with a matinee at 2 p.m. on Aug. 7. For reservations, call 865-1884, Out-of-town, call collect, (814) 863-0182.

A special Behind-the-Scenes program will be held at 3 p.m. on July 30 at the Playhouse. It is presented free, and tickets may be obtained at the University Auditorium or the Playhouse box office.

"That Championship Season" is suggested for mature audiences.

Faculty Club design praised

Penn State's Faculty Club has been honored by the Centre Regional Consciousness Group for its "building of distinctive design," the award letter said, "and for the choice of a nationally renowned architectural firm. The building blends well with its setting, and preservation of surrounding trees is praise-worthy."

Trustee docket

(Continued from page one)

square feet of additional freezer space. The cost, which is limited to $160,000, would be paid from student room and board charges.

— Approved final plans for a metal dry storage building to be constructed in the Business Services area and authorized the asking of bids and awarding of contracts. Costs would not exceed $200,000.

— Approved final plans for the site development of the Environmental Sciences Bldg. and its implementation to improve the appearance of the western edge of campus bordering U.S. Route 322. The $469,000 costs would be provided by federal sources, private gifts and normal building allocations from the State Department of General Services.

Architect chosen

The University has been authorized by the trustees to spend a maximum of $309,250 in design costs for the nursing education building at University Park.

The Board selected Eshbach Glass Kale and Associates, Philadelphia, as architect to design the building. Under a new policy, the architect is selected by the Board from a slate of five names submitted by the professional staff of the University.

Included in the design costs are architect fees, test borings and surveys.

Total cost of the facility will be $5,063,000 of which $3,563,000 will be paid under a grant from the Public Health Service, Department of Health, Education and Welfare.

In citing the need for facilities for the expanding nursing education program, Dr. Oswald noted that there are now no teaching, laboratory, or research facilities specifically designated for nursing education.

Campus plans approved

Final plans for buildings at three Commonwealth Campuses have won approval from the trustees, and University officers have been authorized to seek construction bids and to award contracts for them.

The go-ahead was given to construction of the Campus Community Center at York, a maintenance building at Delaware County, and a Maintenance and Solar Laboratory Bldg. and an Interim Recreation and Convocation Bldg., both at Fayette.

In addition, trustees authorized purchase of a tract of land which had formed a privately owned "island" within the property of the Shenango Valley Campus.

Dawson honored

Robert E. Dawson, who served as director of the Worthington Scranton Campus until his retirement in 1971, has been honored with the naming of the classroom-administration building on the Campus as the Robert E. Dawson Bldg.

The new designation was approved Saturday by the Board of Trustees, who also approved a change in name from the C. Ray Carpenter Bldg. to the C. R. Carpenter Bldg. Located on the University Park Campus, the building had been known as the Social Sciences Bldg. until it was named in May for the late Dr. Clarence Ray Carpenter.

The Robert E. Dawson Bldg., opened in the fall of 1968, was the first structure to be built on the Campus's Dunmore site. With the completion of the building, work leading to the baccalaureate degree was offered for the first time.

Dr. Edward K. Kraybill, director of the Campus, commenting on the action by the Board, said: "It is fitting that Robert Dawson, who was responsible to a major extent for acquiring the present Campus site, for the buildings now on that site, and for the initial step in the transition from extension center to university campus, should be honored by the naming of our first campus building for him."

During Mr. Dawson's years as director, student enrollment grew from 150 to 510 students, and today it stands at more than 900 with an additional 400 to 500 students enrolled in continuing education programs.

Mr. Dawson joined the Penn State faculty in 1958 but had served from 1942 to 1958 as administrative head of the Penn State Evening School in Scranton. He is a graduate of Dickinson College, and received his M.A with a major in administration from Teachers' College, Columbia University.

Elsewhere in academe

In spring, 1974, the United States had an estimated 900,000 scientists and 1,070,000 engineers, according to a National Science Foundation study. Of this number, about 94 percent of the engineers, as compared with less than 75 percent of the scientists, were in the labor force. More than one scientist in four had a Ph.D., while among engineers the figure was roughly one in 20. About three-fifths of the total number of scientists and engineers were employed in the industrial sector of the economy. The NSF also noted that racial minority groups comprised slightly less than five percent of the total number of scientists and engineers, with their representation among scientists being substantially greater.

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The presidents of Brooklyn and Queens Colleges, John W. Kneller and Joseph S. Murphy, respectively, have doled a 15 percent spending cut ordered by City University of New York Chancellor Robert J. Kibbee, saying they would rather accept dismissal than "massacre" their faculties. Dr. Kibbee has trimmed total university spending by $70 million, but the two other major senior colleges, City and Hunter, received cuts of only 9 and 8.5 percent, respectively. Brooklyn and Queens demanded a 10 percent maximum reduction, their spokesmen proclaiming the colleges would lose 350 faculty at the 15 percent level as opposed to about 250-60 at the 10 percent figure.

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College recruiters seeking students with high Scholastic Aptitude test scores (verbals over 750) and high family incomes ($25,000 and over) will find only about 287,000 of these prizes among this year's 3,175,000 high school graduates. A new study, prepared by Humphrey Doermann, executive director of the Bush Foundation, also estimates that under present government policies, the number of high school graduates going on to college will drop from about 1,686,000 this fall to some 1,612,000 by 1984. Reduced state and federal aid might reduce this loss to only about 74,000 students, but it would take almost $2 billion a year to do the job.

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The Board of Trustees of Stanford University has unanimously rejected a request for student membership on the board. Students, however, are voting members of trustee standing committees. Meanwhile, the University of Minnesota appointed its first student member to the Board of Regents.

WPSX highlights

Three of America's top jazzmen are featured in two programs Thursday, July 22, at 9 p.m. **At the Top** presents Woody Herman and his Young Herd and trombonist Bill Watrous and the Manhattan Wildlife Refuge in an hour-long, club-style performance. At 10 p.m. on **The Mark of Jazz,** host Sid Mark introduces jazz drummer Buddy Rich for a half-hour of music, including "Soft Winds," "In the Wee Small Hours of the Morning," and an impromptu drum solo.

Ingmar Bergman's "The Devil's Eye" is presented in its original, uncut version on **Theatre Three** at 9 p.m. on Saturday, July 24. The 1960 film, written and directed by Bergman, is a ribald comedy about a resurrected Don Juan (Jari Kulle) who is assigned by the Devil to seduce the beautiful and resolutely chaste daughter of a minister, Bibi Andersson plays the daughter.

"Shoulder to Shoulder," a six-part dramatization of the struggle for women's suffrage in Great Britain, returns to **Masterpiece Theatre** at 9 p.m. on Sunday, July 25. The series centers around the work of Emmeline Pankhurst and her three daughters, who organized a women's army to fight for the right to vote. In the first episode, the women form a political union with the motto "Deeds, Not Words." "Shoulder to Shoulder" may also be seen at 10 p.m. on Fridays.

The pain and personal courage of three people with terminal diseases are documented on "Dying," a special two-hour documentary at 8 p.m. on Monday, July 26.



From left: Helmut Golatz, head, Labor Studies; Librarian Ronald L. Filippelli; Mr. Conroy; Mrs. Conroy; and I. C. Glendenning, executive president, FTWP.

Two rare letters presented to Pattee

Two extremely rare letters written by "Mother" Jones, a legendary union organizer, have been presented by the Federation of Telephone Workers of Pennsylvania (FTWP) to the Pennsylvania Historical Collection and Labor Archives in Pattee.

The letters had been given to the FTWP by Peter "Joe" Conroy, a founding member of the federation. Joe Conroy is now in his seventies, but as a boy of ten he served as a runner for Mother Jones during the turbulent early days when the United Mine Workers of America was being organized. When striking miners were jailed for such charges as trespassing on railroad or mine property, Joe Conroy would run into the Court House with bail money for them.

Mother Jones stayed with the Conroy family in their Herminie, Pa. home in 1911, and after she left, she sent two letters back to Mrs. Conroy thanking her and telling about Mother's latest strike involvement in Colorado. It is these letters which have been given to Pattee.

Mother Jones did not participate in her first strike until age 47, and she was in her sixties when she became a mine workers organizer. At 84, she testified before the House Mines and Mining Committee about the famous Ludlow Massacre which she had witnessed. She died in 1930 at the age of 100.

Staff vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until **5 p.m., July 25, 1974. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

COORDINATOR, EDUCATIONAL OPPORTUNITY PROGRAM — Beaver Campus

Through the Dean of Student Affairs and the Campus Director, responsible to the Director of E. O. P. for conducting Educational Opportunity Programs at the Campus to which assigned. A Master's degree or equivalent in a field reasonably related to Educational Opportunity Programs, with up to one year of directly related experience. Position available until June 10, 1977.

COUNSELOR, DEVELOPMENTAL YEAR, STUDENT AFFAIRS — University Park

Responsible to the Coordinator of Veterans Affairs for providing various services to individual student veterans to enable them to effectively adjust to the University environment, socially, personally, and academically. Master's degree or equivalent in sociology or counselor education is required. Over one year and up to and including two years of directly related experience in a directly related activity is necessary. Some experience in veterans education and benefits is highly desirable. This is a temporary one-year appointment.

PUBLICATIONS PRODUCTION COORDINATOR, COLLEGE OF AGRICULTURE — University Park

Edit and rewrite popular, technical, promotional and in-service training manuscripts for Cooperative Extension publications and supporting materials for workshops and in-service training. Assist in coordination of publications work handled by other editorial personnel. Record pertinent data on publications through production. Work with others in coordinating publications inventory, distribution systems, and obtaining useful printed materials from other sources. Bachelor's degree in journalism, plus two to three years of directly related experience in communications work required.

SUPERVISOR, CORRESPONDENCE CENTER, COLLEGE OF HEALTH, PHYSICAL EDUCATION AND RECREATION — University Park

Responsible to the Assistant to the Dean for formulation of policy and for procedural matters pertaining to the development, supervision and coordination of various functions of the Correspondence Center. High school diploma, plus specialized training in word processing systems and three to four years of effective experience are required. This position also requires demonstrated supervisory skills and candidate must have previously worked in a supervisory capacity.

Funding sources

For further information, call: 865-1372

(233-1) Community Services Administration has issued regulations for **Funding of Community Action Programs.** Included are competitive programs for training, technical assistance evaluation, research and planning, all administered by the CSA Office of Economic Development (OED) under Title VII. (Ref 41FR26685-92, 6/29/76)

(233-2) NSF Systematic Biology Proposals, as well as those for **Ecology, Ecosystem Studies,** and **Biological Research Resources** are due Sept 1. For information, contact Dr. Reed (202-632-5846). (Ref. NSF Bull.)

(233-3) The American Film Institute funds an **independent Filmmaker Program.** Grants of from $500 to $10,000 will be made in response to proposals submitted on Project Profile. The next deadline is Sept. 15 (Ref. AFI guidelines)

(233-4) A search service for project funding possibilities is available through the PSU resource information office (M. R. Kohler, 865-1372). Project contacts searched include those supporting research, instruction, continuing education and faltowships. Sources reviewed cover federal and state agencies, foundations, associations and industry.

(234-1) Under DHEW regulations governing **protection of human subjects,** the Secretary has issued an interpretation of "subject at risk" [colerenced at 45CFR46.103(b)] as "any individual who may be exposed to the possibility of injury, including physical, psychological or social injury." (Ref 41FR26572-73, 6/28/76)

(234-2) The NSF Undergraduate Research Participation (URP) program has a Sept. 10 closing date. Two kinds of projects are supported. The traditional URP project in academic institutions accommodates undergraduates working directly with faculty members in ongoing research projects. Also this year is an experimental program of industrial URP, where undergraduates work in industrial laboratory under the guidance of an industrial scientist. The industrial experimental program must also be arranged for and managed by a science faculty member. (Ref. SE77-21, Juns 1976)

(234-3) NIH National Research Service Awards have an Aug. 15 deadline date both for individual predoctoral fellows and for institutional grants (Ref NIH Guide, Vol. 5, No. 0)

(234-4) Public Health Service training grant applications are PHS-6025 (11/76) forms to be submitted for clinical research training applications and PHS 2499-1 (Rev. 2/75) for research training applications. (Ref. NIH Guide, Vol. 5, No. 10)

(234-5) Young investigator research grants are available from the National Heart and Lung Institute. These grants support initial exploration of research ideas. The next deadline is Nov. 1. (Rel NIH Guide, Vol. 5, No. 10)

(234-6) The Office of Federal Programs (AASCU) has issued a Special Report on **Support for Postdoctoral Study.** Included are study and training opportunities across a broad range of federal agencies and private sources in the humanities, education, health, science, and community and urban fields. (Ref OFP Spec. Report, June 30, 1976)

(234-7) North Atlantic Treaty Organization will conduct 40 science conferences in June, July, Aug and Sept 1976. Limited travel funds are available. A copy of the list of conferences and addresses of convenors is available in the Research Development Office, 865-1372, 304 Kern Grad. Bldg. (Ref. FO 76-12)

Middle States' team reaffirms accreditation

The Commission on Higher Education of the Middle States Association of Colleges and Secondary Schools has voted to reaffirm Penn State's accreditation.

"The Pennsylvania State University impresses the visiting team as a magnificent and indispensable educational resource of the Commonwealth and the Nation," the 16 members of the team concluded their report.

The group visited the University April 4-6 to conduct a ten-year reaccreditation review. Their efforts focused on four areas of on-going academic planning and self assessment. These were:

1) Emergent patterns of University governance;
2) Planning for the Commonwealth Campuses;
3) Academic program review; and
4) Implementation of the 1972 Academic Policy Plan.

Governance

In the area of governance, the visiting team recognized the several efforts that have been made in recent years to increase faculty participation in the decision-making process at all levels. The team noted three basic attitudes during interviews with seniors, faculty leaders and administrators. "There is clearly a significant group (including most senators representing Commonwealth Campuses) which is committed to making a new system of governance work effectively, and who are enthusiastically supportive," the report said. "The second group is rather skeptical than hostile. . . . some (within it) view the system of Senate Committees paralleling administrative committees as perhaps the best hope for the future.

"A smaller group . . . share e belief that faculty should be cast in a less advisory and consultative role and be more directly involved in the setting of educational and fiscal priorities, with comprehensive reporting to and through the Senate."

While sensing "unease" in many quarters about the consequences of a one-track, University-wide system of rank and tenure, the evaluation team stated its belief that the current procedure is really too new to have been adequately tested. While praising efforts to involve faculty on all campuses in institutional governance, it noted that, as in all large organizations, constant vigilance will be necessary to keep the system working efficiently and effectively. The team also suggested that careful provision be made for "idea sharing and governance input from those closest to the Continuing Education and lifelong learning efforts on each campus."

Commonwealth Campus Planning

Various members of the evaluating team fanned out from University Park to visit the Altoona, Beaver, Hazleton, York and Ogontz Campuses, as well as Behrend College, Capitol Campus and the Hershey Medical Center.

In its discussion of Commonwealth Campus Planning, the report stressed the importence "of bringing the full planning resources of the University to bear on addressing the future needs in all regions of the Commonwealth and in providing a comprehensive frame of reference within which each campus develops its own program projections and responses.

Urging that the University support efforts to solve problems in higher education throughout the State, the team suggested that Penn State's resources be mobilized to plen special progrems for the elderly and to develop programs for the older adult student in the event that the predicted drop in 18-20-year-old student enrollments occurs. They further suggested using the Commonwealth Campuses as a testing ground for pilot programs and innovative instructional methods.

Other ideas put forth included interchange of faculty with doctorates between University Park and the Campuses and the strengthening of communications among individual Campus Senates.

Academic Program Review

In its discussion of academic program review, the team reached e consensus "that all academic programs considered have benefited from the reviews that have been conducted, and that there has been a good return on a major investment."

The evaluators did point to certain limitations in the review procedure, including inadequate departmental input in graduate program review, the costly use of large amounts of faculty time, and the "natural tendency in any university community for faculty members to be generous and circumspect in any formal review of colleagues."

For those graduate programs which have yet to be reviewed, the team suggested that minimal guidelines be increased and that the departments conduct a self-assessment to answer questions similar to those posed at the beginning of undergraduate program reviews. Evaluators urged submission of more data concerning programs and said that reviews should not only be retrospective but should also look ahead to anticipate the future five or ten years hence.

The assessment of academic programs should be an ongoing process, the team

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PENN STATE intercom

Volume 5, Number 43 July 29, 1976

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule



HUB worker **Janet Vitunic, a senior in health planning and administration, demonstrates the Terrace Room's new DIAL-A-MENU. If you call 865-1516 mornings, you won't get Janet, but you will learn what's being served for lunch and dinner. Afternoon callers get the dinner menu and the next day's luncheon line-up.**

News in brief

187 Penn State Scholars enroll

Of the 575 students who visited the University in spring, 1975, as part of the Penn State Scholars Program, 187 have enrolled for fell term admission.

Under the program, which was designed to recognize and encourage excellence in academic achievement, high school principals throughout the State nominated their most scholastically able junior students. These students were then invited to visit the University for a weekend with their parents.

Response was so enthusiastic that this spring the students were divided into two groups, one from the eastern and one from the western part of Pennsylvania, and two weekends were devoted to the program.

Among those who were juniors in 1975, 345 initially epplied for admission.

Parking decals won't be issued

The University will not issue new parking bumper stickers in August end September as originally planned. Present bumper stickers will remain valid for et least the next eight months.

This decision was reached after the University learned that new license plates will not be issued in Pennsylvania until early in 1977. New parking stickers will be made available once the new license plates are put into use.

Present second vehicle parking privileges will remain valid until the new bumper stickers are issued. Anyone wishing to register a second vehicle at this time may do so after paying the $10 fee, but these decals will only be valid until April, 1977.

Learn why the British lost

Prof. Ira D. Gruber will explain "Why the British Lost the War for American Independence" in the final lecture of the University's Bicentennial Summer Series at 8 p.m. on Wednesday, Aug. 4, in the Memorial Lounge of the Helen Eakin Eisenhower Chapel.

Dr. Gruber is one of the few American scholars studying the British side of the American Rivolution. He is the author of the monograph, "The Howe Brothers and the American Revolution," published in 1972 by the University of North Carolina Press for the Institute of Early American History and Culture, and he has written several articles on other 18th century British leaders.

Since 1966, Prof. Gruber has been on the faculty of Rice University, Houston, Texas Previously, he taught at Occidental College and Duke University.

University buys used plane

The University has traded its 1973 Piper Aztec plane for a 1975 used Piper Navajo Chieftain. According to George R. Lovette, assistant vice-president for business, "The plane is operated by the University es a self-supporting internal chartering service to transport University personnel on official business. This results in a savings in both time and money when ecmpared to commercial chartered options."

He noted that the trade was made primarily for the following reasons.

— The Aztec plane, with more than 1,400 hours of flight time recorded, was approaching the time when engine overhaul or replacement was mandetory at e cost that could range between $15,000 and $20,000 per engine. The Navajo purchased has about 600 hours on the engines end will have another 1,200 hours before en engine overhaul will be necessary.

— The used Navajo has a seating capacity of six, while the plene treded hed e capacity of four. This will reduce flights necessary, making scheduling more efficient and reduce the need for charter flights.

— In the 1975 Navajo, the seats face each other, making it possible to conduct business in flight. The Aztec had reguler passenger seats.

— The Navajo is better equipped with safety devices, including reder for weather observetions, which wes not the case with the plene traded. Other navigation equipment allows the plane to land under

(Continued on page four)

New Faculty Club chef likes to start from scratch

Harold Newberry figures 10 pounds of black pepper ought to last him about e month. During that time span, he can probably get by with 100 pounds of sugar, 40 guarts of salad oil end a pound of paprika.

These are just e scattering of items on the long grocery list which the new chef of the Faculty Club has compiled to put his kitchen into operation.

Chef Newberry has been working at his profession for eimost 40 years, and he has sampled the netionel cuisines of most of the Western European countnes, as well as those of Japan and Koree.

"I got my early training under an Austrian chef in Dearborn, Mich.," he recalls, "but I guess I prefer French cuisine to all others. I use it as the base of most of my cooking. But I also like certain German dishes, and I enjoy cooking Chinese meals; I suppose I just like good food."

Mr. Newberry has already submitted menu lists for the Faculty Club. He plens to offer several specials each night, in eddition to en e le certe menu end something he likes to call, "The Chef's Last Touch." That will be one of his specialties — such es Beef Wellington, Chicken Kiev, Veal Cordon Bleu or Sauerbraten.



Chef Newberry prepares suckling pig.

"I don't cere for frozen processed foods," he notes. "I like to start from scretch. There is a seying, 'If you can't meke 100 sauces, you're not a chef.'"

Mr. Newberry hopes to heve two assistant chefs working with him, along with e salad "person," since the club will serve both lunch and dinner and cater special events.

"At lunchtime, there will be a sandwich and salad menu, with several soups, including a low catorie one for people watching their figures," he continues. "A regutar dinner will elso be available at noon."

Chef Newberry gained his experience in the kitchens of numerous restaurents and country clubs, as well as at U.S. Army Officers Clubs both here end abroad. One of his tast posts was the Officers Club at Carlisle Berricks, where, he recalls, "I cooked myself eround the world at least a dozen times."

He also gained e lot ol experience in how to remain unflustered.

"I remember one time I was doing steaks on e broiler which had fireb!icks across the top," he seys. "All of a sudden, the bricks dropped out onto my steaks. I had to finish up on a ttat top grill."

Mr. Newberry is enthusiastic about the facilities of his new kitchen et the Faculty

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PENN STATE COLLECTION

Faculty notes

Two new deans, with responsibility for Commonwealth Campuses and Continuing Education, have been appointed in the College of the Liberel Arts. **Dr. Thomas J. Knight** will serve as associate deen and **Dr. Douglas J. Pedersen,** es assistant dean.

Dr. Knight, who has been en associate professor of social science and history at Capitol Campus, is a graduate of North Texas State University and holds e Ph.D. in Europeen history from the University of Texas. He was e Woodrow Wilson Fellow in 1959-60. After teaching at the University of Nebraska and Michigan State, he joined the Capitol faculty in 1968. A recipient of thel Campus's Jordan Award for Excellence in Teeching, he has been ective in the University Faculty Senate.

Dr. Pedersen, an assistant professor of speech communication, received his B.S. in speech from SUNY-Fredonie and his M.A. and D.Ed., both in speech communicetion, from Penn State. His professional interest lies in speech education, and his program for teaching speech communication skills and concepts to non-speech teachers has echieved national recognition. Co-author of a new book, "Leading and Participating in Group Discussion," Dr. Pedersen is currently serving as executive vice-president for education of the Pennsylvenie Speech Communication Association.

The MIR Publishing Company, Moscow, has just published e 504-page Russian translation of the book, "Gravity and Tectonics," co-edited by **Dr. Robert Scholten,** professor of petroleum geology. The book includes 31 erticles written especielly for it and devoted to an analysis of the role of gravity in the deformation of the earth's crust at all scales end levels.

Promotions, effective July 1, have been announced for **Lerry H. McCormick** and **Donald E. Thompson,** both of whom received their doctorates from Penn State during May commencement exercises. Dr. McCormick was named an assistant professor of forest resources efter earning his Ph.D. in that area. Dr. Thompson, who holds a doctorate in aerospace engineering, was made a research associate at the Applied Research Laboratory.

The conlribution of working people to the growth of America is depicted in a Bicentennial Labor History Exhibit prepared by the Philadelphia Council of AFL-CIO which will continue through October at the Philadelphia Garment Center, 8th and Arch Sts., Philadelphia, near Independence Hall.

Allen M. **Hotlman,** associate professor of labor studies at the King of Prussia Graduate Center, while on leave from the University for one term, served as principal historical consultant for the project

Dr. **Ronald L. Filippelli,** librarian with the Labor History Archives, and **Dr. Joseph C. Flay,** associate professor of philosophy, consulted on the development of the project under grants from the National Endowment for the Humanities and the Pennsylvania Bicentennial Commission to the Philadelphia Council of AFL-CIO.

"The Eagle," a stainless steel abstract sculpture by **Edward A. Adams,** associate professor of art, has been selected as the winner of the State College Bicentennial sculpture competition. It was chosen from among three semi-finalists' entries by a vote of State College residents during the recent Central Pennsylvania Festival of the Arts. When completed, the 12-foot high work will be placed on the lawn of the Schlow Memorial Library, the unveiling probably to take place next summer during the arts festival. New York sculptor Ray Gurlow picked the semi-finalists from 27 entrants.

Sara Lou Whitdin, a former undergraduate reference librarian at University Park, has been named head librarian at the Delaware County Campus. Prior to joining the Penn State library system in 1972, Ms. Whitdin was a reference librerian at Cedar Crest College in Allentown. She earned a bachelor's degree there and a master's degree in library science from the University of Pittsburgh.



Dr. James W. Kelz, professor of education end assistent director of Rehabilitation Education Programs, was awarded a plaque, hand-carved in Spain, depicting a medieval worker by the National Vocetional Guidence Associalion for his services as presidenl of the 10,000-member organization during 1975-76.

Dr. Jean W. MacCluer, associate professor of biology, has authored papers for a conference on The Mathematics of Family and Kinship July 21-23 at UCLA and tor a meeting of the Genetic Society of Americe Aug. 16-18 in Salt Lake City. Her topics are "Genetic Models of Kinship" and "On the Relationship between Fertility Components and Darwinian Fitness in Man," respectively. Also at the UCLA meeting, Dr. Bennett Dyke, associate professor of anthropology, spoke on "Demographic and Geographical Constraints on the Choice of Mates," and Dr. Anthony Boyce, adjunct associate professor of anthropology, discussed "Family Formation and Distribution of Marriage Distances."

Dr. J. Cordell Hatch, coordinator of radio-TV audio visual services and professor of agricultural communications, has been named presidant-elect of the American Association of Agricultural College Editors.

Dr. Allen T. Phillips, professor of biochemistry, presented a paper at the Tenth International Congress of Biochemistry in Hamburg, Germany, July 26-30. The paper was titled "Half-Site Reactivity in Urocanase. Modification of the Active Center Carbonyl Group."

The Student Council of the College of Business Administration has presented its Outstanding Instructor award to **Dr. John J. Coyle,** professor and head of the Department of Business Logistics, and its Outstanding Advisor Award to **Dr. Kenneth R. Graham,** lecturer in business logistics. The College's Master of Business Administration Association has presented Excellence in Teaching Awards to **Dr. Lawrence G. Hrebiniak,** associate professor of organizational behavior; **Dr. Max D. Richards,** professor of management and assistant dean for graduate programs; and **Dr. David T. Wilson,** professor of marketing. The awards, given annually, are based entirely on student evaluations.

Murray Budney, assistant professor of humenities and French at Capitol Campus, has received a sabbatical leave for the fall and winter terms. He will complete a translation of Jean Paul Sartre's "Les Jeux Sont Faits" and will also work on translating selected poems of Jacques Prevert, a popular contemporary poet.

Dr. Henry J. Hermanowicz, dean of the College of Education, will participate in the 23rd World Assembly of the International Council on Education for Teaching July 30 to Aug. 3 in Washington, D.C. He will discuss "The Role of the Teaching Profession in Teacher Education" es part of a joint panel with the World Confederation ot Organizations of the Teaching Profession.

Dr. G. Kenneth Nelson, professor of accounting, has been appointed director of the Associate Degree Program in the College of Business Administration, effective July 1. In his new role, Dr. Nelson will provide leadership to CBA teculty located at Commonwealth Campuses and develop a more efficient delivery of associate degree services.

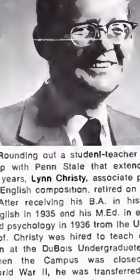
Dr. Ruth Botdorf, assistant professor of chemistry at Berks, is presenting a paper, "X-Ray Diffraction of Rare Earth Oxides," at the 18th Annual Rocky Mountein Spectroscopy Conference Aug. 2-3 et the University of Denver.

Two members of the faculty of the College of Earth and Minerel Sciences have been named to editorial positions on international journals. **Dr. Donald Langmuir,** professor of geochemistry, is on associate editor of "Geochimica et Cosmochimica Acta," the official journal of the Geochemical Society (England), and e member of the editorial board of "Interface," published by the Society for Environmental Geochemistry and Health. **Dr. Wilbur Zelinsky,** professor and head of the Department of Geography, is serving as an advisory editor for the new journal, "Progress In Human Geography," published by Edward Arnold, Ltd., London.

Dr. Wallace R. Bell, assistant professor of biology, Worthington Scranton, and **Dr. C. Dale Therrien,** associate professor of biology, University Park, are the authors of a paper scheduled to be presented at the annual meeting of the Genetics Society of America in Salt Lake City, Utah, Aug. 15-18. The paper is titled, "Cylophotometric analysis of the relationship of DNA end RNA synthesis to ascus development in 'Sordaria fimicola'."

R. Thomas Berner, assistant professor of journalism, recently addressed The Pennsylvania Associated Press Managing Editors Shirtsleeve Conference. He spoke on "Journalism Education and the Newspaper."

Retirements



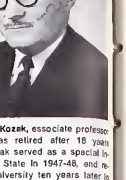
Rounding out a student-teacher relationship with Penn State that extended over 45 years, **Lynn Christy,** associate professor of English composition, retired on June 30.

After receiving his B.A. in history and English in 1935 and his M.Ed. in education and psychology in 1936 from the University, Prof. Christy was hired to teach composition at the DuBois Undergraduate Center. When the Campus was closed during World War II, he was transferred to University Park. He served as program chairman of the Community Forum, a predecessor of the Artists Series, and was one of the prime movers in early attempts to build up a Newman Club at Penn State. Prof. Christy also represented the local Committee on Racial Equality in the postwar controversy that eventually made it possible for black students to secure haircuts el State College barbershops. From 1944 to 1954, he wrote "The Suggestions for Teaching" for Harper's Magazine.

With the growth of Commonwealth Campuses in the early sixties, Prof. Christy was named coordinator of English for Commonwealth Campuses, a post he held from 1961 through 1965. On a special leave of absence from 1966 to 1967, he revamped the composition program at the U. S. Naval Postgraduate School in Monterey, Calif., and taught basic and advanced rhetoric there. From 1972 until the date of his retirement, he conducled lhe Writing Clinic, a practical service for students who have difficulty in writing.

Known to hundreds of students in his undergraduate days as en editor of Froth and as the drummer-manager of e popular campus dence band, Prof. Christy is now a familiar figure to lhousends of fellow alumni as the master of ceremonies of the annual Alumni Luncheon in Recreation Bldg.

Pursuing his musical and literery hobbies, he and his wife, Anne, who taught in the State College Area elementery schools for a number of years, will continue to live in State College.



Dr. Andrew V. Kozek, associate professor of education, has retired after 18 years of service. Dr. Kozak served as a special instructor at Penn State In 1947-48, and returned to the University ten years later to help guide the curriculum development of the "new mathematics."

A 1932 graduate of Susquehanna University, he received his M.S. in mathematics and physics from West Virginia University in 1934 and his D.Ed. from Penn State. He did graduate study at Cornell University and the University of California at Berkeley and post doctoral study at Johns Hopkins University. He also attended the Cincinnati Conservatory of Music. Dr. Kozak began his teaching career as an instructor in mathematics at West Virginia University and then taught mathematics and physics and directed bands for three years in the Greenbrier County, W.Va., Schools. In 1936 he was named assistant professor of mathematics and music at Concord College, where he later became professor and chairman of the Department of Mathematics. Prior to joining the Penn State faculty, Dr. Kozak was engaged in research and special defense projects for the Glenn L. Martin Co., Baltimore, Md. He is one of several co-authors of two texts, "College Algebra" and "Mathematics of Finance," and has written articles for professional journals.

While at the University, he was a member of the executive board of the Pennsylvania Council of Teachers of Mathematics, serving as vice president in 1968-70. Since 1971, he has also served as chairman of the President's Advisory Committee on Veterans Affairs at the University. Initiated into Phi Delta Kappa, honorary men's professional education fraternity, at Cornell University, Dr. Kozak has served as executive secretary-treasurer of the Alpha Tau Penn State Chapter since 1959.

Robert D. Hummer, assistant professor of business administration at Shenango Valley, retired July 1, the first faculty retiree from that Campus. He has been associated with Shenango Valley since its founding in 1967, first as a part-time instructor and for the past eight years as a full-time faculty member in charge of the Business Administration Department. During his period, he initiated a successful night program for the associate degree students in business and conducted research in five counties in Western Pennsylvania on "branch banking."

A retired Army major, Prof. Hummer previously taught at Youngstown State University. He received a B.S.M.E. from Purdue University end an M.B.A. from the University of Akron.

Dr. Kenneth R. Bennett, professor of agricultural statistics, retired with emeritus rank on July 1 after 26 years as a member of the faculty. During this period, Dr. Bennett has been a resource of statistical advice not only in his own field, but for other areas of science research as well. His first assignment at Penn State was as Agricultural Experiment Station statistician, but es University research needs increased, Dr. Bennett found himself serving es statistical consultant for research projects in biology, dairy breeding, poultry science, home economics and civil engineering. In addition to his research end teaching responsibilities, Dr. Bennett has served as "correspondent and gate-keeper" for enlisting graduate students in agricultural economics.

A native of Illinois, Dr. Bennett earned his Ph.D. from Cornell University.

University Park Calendar

Special events

Thursday, July 29
Shavers Creek Nature Center, marsh walk, 6:30 p.m., Stone Valley.
Festival Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre.
Festival Theatre, "That Championship Season, 8 p.m., Playhouse Theatre.
Friday, July 30
Tour of Museum of Art, 1 p.m.
Interlandia Folk Dance Club, 7:30 p.m., HUB terrace and ballroom.
Festival Theatre, "That Championship Season," Playhouse Theatre. Behind-the-Scenes program 3 p.m.; performance 8 p.m.
GSA Commonsplace Coffeehouse, Buddy Ungson & Friends, 8 p.m., Room 102 Kern.
Pennsylvania Ballet, 8 p.m., University Auditorium.
Festival Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre.
Catherine Havens, soprano vocal recital, 8:30 p.m., Music Bldg. recital hall.
Shavers Creek Nature Center, "Ghoulies and Beasties and Things that go bump in the night," 8 p.m., Stone Valley.
Saturday, July 31
Tour of Museum of Art, 1 p.m.
At Ease with the Pennsylvania Ballet, 4 p.m., University Auditorium.
Festival Theatre, "That Championship Season," Playhouse Theatre. Matinee 2 p.m.; evening performance 8 p.m.
Festival Theatre, "Little Mary Sunshine," Pavilion Theatre. Matinee 2 p.m.; evening performance 8 p.m.
Pennsylvania Ballet, 8 p.m., University Auditorium.
Shavers Creek Nature Center, evening program, 9 p.m., Stone Valley.
Sunday, Aug. 1
Festival Theatre, "Little Mary Sunshine," 7:30 p.m., Pavilion Theatre.
Festival Theatre, "That Championship Season," 7:30 p.m., Playhouse Theatre.
Shavers Creek Nature Center, nature-ecology walk, 3 p.m.; evening program, 9 p.m., Stone Valley.
Tuesday, Aug. 3
Shavers Creek Nature Center, "Frogs, Toads and Snakes," 7 p.m., Stone Valley.
GSA outdoor concert, The Dance Band, 7:30 p.m., Fisher Plaza.
Festival Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre.
Festival Theatre, "That Championship Season," 8 p.m., Playhouse Theatre.
Shavers Creek Nature Center, evening nature movie, 9 p.m., Stone Valley.
Thursday, Aug. 5
Shavers Creek Nature Center, marsh walk, 6:30 p.m., Stone Valley.
Free U "Disco Dancing," 7 p.m., Room 301 HUB.
Festival Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre.
New York Renaissance Band, 8 p.m., Music Bldg. recital hall.
Festival Theatre, "That Championship Season," 8 p.m., Playhouse Theatre.
Un-Common After Dinner Theatre, "Yankee Doodle Tune," 8 p.m. Room 112 Kern.
Friday, Aug. 6
Interlandia Folk Dance Club, 7:30 p.m., HUB terrace and ballroom.
GSA Commonsplace Coffeehouse, Bob Doyle and the Buffalo Chipkickers, 8 p.m. Room 102 Kern.
Festivel Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre
Festival Theatre, "That Championship Season," 8 p.m., Playhouse Theatre.
Un-Common After Dinner Theatre, "Yankee Doodle Tune," 8 p.m., Room 112 Kern.
Shavers Creek Nature Center, "Ghoulies and Beasties and Things that go bump in the night," 8 p.m., Stone Valley.
Saturday, Aug. 7
Festival Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre.
Festival Theatre, "That Championship Season," 8 p.m., Playhouse Theatre.
Shavers Creek Nature Center, evening program, 9 p.m., Stone Valley.
Sunday, Aug. 8
Shavers Creek Nature Center, nature-ecology walk, 3 p.m.; evening program, 9 p.m., Stone Valley.

Lecture

Wednesday, Aug. 4
Bicentennial Summer Series, Prof. Ira D. Gruber, Rice University, on "Why the British Lost the War for American Independence," 8 p.m., Helen Eakin Eisenhower Chapel Memorial Lounge

Seminar

Thursday, Aug. 5
Ceramic Science, 11 a.m., Room 301 Mineral Industries. Dr. J. D. B. Veldkamp, N. V. Philips Labs., Eindhoven.

University schedule

Wednesday, Aug. 4
Late drop deadline.

Films

Thursday, July 29-Sunday, Aug. 1
ARHS film, "Take the Money and Run," 8 and 10 p.m., Pollock Rec Room.
Friday, July 30
GSA film, "Lolita," 7 and 9:30 p.m., Room 112 Kern.
Saturday, July 31
GSA outdoor film, "The General" (silent film with piano), 9 p.m., Fisher Plaza.
Thursday-Sunday, Aug. 5-8
ARHS film, "Pollock Rec Room.

Exhibits

Museum of Art: American Paintings and Furniture from the Permanent Collection. Central Pennsylvania Festival of the Arts Juried Crafts Show. Prints by Pennsylvania Artists.
HUB Gallery: Central Pennsylvania Festival of the Arts, Arts 10 Juried Arts Exhibit.
Kern Gallery: Constantine Kermes, Multi-Media Amish Theme, through July 31. Ann Fisher, Paintings and Drawings of Central Pennsylvania Amish, through July 31. Aliza Thomas, Prints, opening Aug. 1. Reception for artist, Aug. 1, 8-10 p.m., Kern.
Hammond Gallery: M.F.A Show, Anthony Herrera, Paintings, through Aug. 7.
Chambers Gallery: Melanie Lynch, Hangings. Marjorie Johnstone, Rugs.

WPSX highlights

Video works by William Wegman are featured on **Video and Television Review** at 7 p.m. on Saturday, July 31. Using a portapag video system and minimal props, Mr. Wegman's pieces make tuli use of the television vocabulary to humorously explore society's systems of communicating.

Two early thrillers by German director Fritz Lang are featured on **Theatre Three** beginning at 9 p.m. on Saturday, July 31, with "Dr. Mabuse, the Gambler," a 1922 silent film about a master criminal who plots the ruin of post-war Berlin. A sequel, "Dr. Mabuse, King of Crime," will be featured on **Theatre Three** on Aug. 7.

Joe Venuti, the legendary jazz violinist, joins Arthur Fiedler and the **Boston Pops** Orchestra on **Evening at Pops** at 8 p.m. on Sunday, Aug. 1. The 82-year-old violinist performs his unique versions of "Sweet Georgia Brown," "Summertime," "Body and Soul," "C Jam Blues" and other jazz selections. The Boston Pops Orchestra is featured in selections from "Fiddler on the Roof." **Evening at Pops** may also be seen at 9 p.m. on Tuesdays.

"Shoulder to Shoulder," the six-part **Masterpiece Theatre** series about the struggle for women's rights in turn-of-the-century Britain, continues at 9 p.m. on Sunday, Aug. 1, with the story of Annie Kenney, a mill girl who became one of the most militant suffragettes and helped bring the working class into the women's movement. Georgia Brown stars.

Science fiction writer Rey Bradbury discusses his craft and his duties on "Ray Bradbury on Fantasy and Reality" at 9:30 p.m. on Monday, Aug. 2.

Samuel Casey, president of Pullmen, Inc., the company that became famous for its railroad sleeping cars, is featured on **Talkabout** at 10 p.m. on Monday, Aug. 2. Mr. Casey discusses present business trends, the relationship of business to government, the environmental movement and the role of women in business. **Talkabout** may also be seen Tuesdays at 3 p.m. and Saturdays at 1:30 p.m.

American Indian Artists, a series of six half-hour programs profiling contemporary American Indians who combine Western and Indian traditions, premieres at 8:30 p.m. on Tuesday, Aug. 3. The first program visits Grace Medicine Flower and her brother, Joseph Lonewolf, two Santa Clara potters who have revived and expanded the traditional forms and techniques of their pre-Columbian ancestors, the Mimbres people.



Renaissance Band to perform

The New York Renaissance Band, five musicians specializing in the performance of early music on authentic instruments, will present a public concert in conjunction with the Institute for Renaissance Instrumental Music at 8 p.m. on Thursday, Aug. 5, in the Music Bldg. recital hall.

The group, currently in residence at Penn State with the Pennsylvania Orchestra, will conduct the institute as a continuing education service of the College of Arts and Architecture.

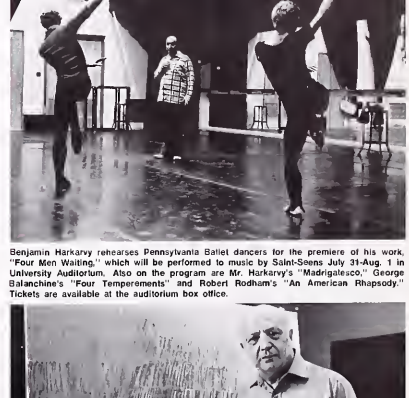
Thursday's concert will feature music from the Renaissance courts, including the Netherlands, the Burgundian courts of Philip the Good and Charles the Bold, the Italian Trecento, the court of Maximilian I and Marguerite of Austria and from the reign of Queen Elizabeth I.

Formed in 1973, the band fast season performed at Carnegie Hall, Hunter College Playhouse, and colleges and communities in the Northeast. In 1975, it was awarded the prestigious Naumburg Prize.

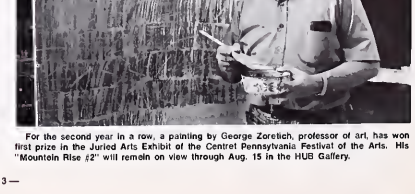
The instruments played by the Renaissance Band — cornetto, shawm, sackbut, viol, vielle, recorders, krummhorn, dulcian, rackett, rauschpfeife, harp, and a variety of percussion instruments — seem both exotic and familiar to modern audiences, as some are forerunners of today's instruments.

Members of the New York Renaissance Band are Lucy Bardo, Allan Dean, Ben Harms, Sally Logsdaan, and Ben Peck, a guest artist for the Penn State residency.

Free tickets will be required for admission to the Thursday concert and are available at the Nittany Mountain Summer box office in University Auditorium from 9 a.m. to 4 p.m. until July 31 and at the door beginning at 6:30 p.m. if any remain. Doors will open at 7:30 p.m. and seats will be held for ticket-holders until 7:45 p.m.



Benjamin Harkarvy rehearses Pennsylvania Ballet dancers for the premiere of his work, "Four Men Waiting," which will be performed to music by Saint-Saens July 31-Aug. 1 in University Auditorium. Also on the program are Mr. Harkarvy's "Madrigalesco," George Balanchine's "Four Temperements" and Robert Rodham's "An American Rhapsody." Tickets are available at the auditorium box office.



For the second year in a row, a painting by George Zoretich, professor of art, has won first prize in the Juried Arts Exhibit of the Central Pennsylvania Festival of the Arts. His "Mountain Rise #2" will remain on view through Aug. 15 in the HUB Gallery.

Reaccreditation

(Continued from page one)

sed, and in the future might well incorporate "some admixture of external review with what might still be a primarily internal process." Program review might be further strengthened by the systematic inclusion of student evaluations of teaching effectiveness and by crossing departmental lines to gauge the capabilities of interdisciplinary programs.

In areas where a larger number of students receive their lower division instruction at Commonwealth Campuses, the team felt that representative department members from the separate campuses should have "early and extensive involvement" in the review process.

Academic Policy Plan Implementation

After studying the four years of progress the University has made in implementing its Academic Policy Plan of 1972, the Middle States evaluators concluded

— "The Report of the President's Task Force on Increasing Black Enrollment" indicates a thoughtful, comprehensive approach to the problem of attracting minority students, and "the recent appointment of a highly qualified Special Assistant to the President to direct the effort is another evidence of serious attention and determination in these directions."

— Efforts should be continued to develop more and better non-traditional approaches to instruction for such groups as the adult learner.

— Efforts should also be made to eliminate differences of interpretation of the criteria upon which tenure and promotions decisions are based.

— Greater flexibility is needed to enable Continuing Education personnel to institute non-credit, non-traditional courses in response to educational needs in these areas. "Those who believe those who wish to accommodate a more diverse student body with different learning styles and strategies is common to most universities at present, and seems no more pronounced here than elsewhere," the evaluators noted.

— The opinions of Continuing Education should be given greater weight in determining their particular academic needs.

— The attempt to increase student participation in governance has been "extraordinarily successful."

— In view of the fact that enrollments have not kept pace with projections at the King of Prussia Graduate Center, it might be appropriate to review the center's mission.

— At Hershey, faculty organization and internal communication are highly satisfactory; faculty have been fruitfully involved in program review there; and development of physical plant, programs and enrollment are proceeding on schedule at the Medical Center.

— The rewarding of Commonwealth Campus faculty continues to present problems, but new tenure and review policies may help by granting Campus faculty more opportunity to influence decision-making in these areas.

Support Systems

The leadership in both the University Libraries and in Penn State's financial area earned high praise from the evaluators in their consideration of support systems.

They urged the central administration to continue support for the comprehensive library information access system (LIAS) and praised the decision to give professional librarians faculty status.

They also identified several future problem areas — increasing library materials costs; lack of space (by 1980, Pattee's stacks will be filled); the need for new library facilities at Capitol and Behrend to support academic programs and the need to improve instructional methods to better prepare graduate and undergraduate students to use the library.

Turning to the fiscal area, the report noted the increasing pressure on the budget as funding for the retirement program and fringe benefits has had to be increased. The evaluators also pointed out that "proper emphasis has been placed on seeing that faculty salaries have advanced approximately at the rate of living costs, except for the last year." They also commended the Budgel and Planning Office for "an excellent start in providing useful data for planning" and urged further efforts to refine planning models and techniques.

Copies of the full text of the 30-page report, along with copies of the University's Self-Study Report, are available for inspection at the University library on each Campus, the offices of the Deans and Commonwealth Campus Directors, and in the Office of the University Faculty Senate.

The chairman of the evaluating team was G. Briscoe Dearing, vice chancellor for academic programs at SUNY.



Photographer Steve Hartin found this twosome.

News in brief

(Continued from page one)

conditions that would not have been considered safe with the Aztec plane.

No state funds were involved in the $126,000 trade-in cost.

Experimental learning

A Conference on Experimental Learning is planned for the spring of 1977. The inter-collegiate faculty conference committee is interested in identifying instructors at Penn State who are using experimentel learning approaches in their classroom teaching which involve:

- — increased self awareness of students' strengths and weaknesses;
- — increased effectiveness in group interaction;
- — effective communication skills;
- — self initiating or self directed learning;
- — developing skills in social, interpersonal and intergroup situations;
- — emphasis on lifelong learning skills; or
- — using such techniques as simulation, gaming, case method, role playing, team building and group exercises.

Any instructor using such approaches and techniques who would like to share this information is invited to call Deen Gordon Godbey, College of Education, 865-2523.

After dinner theatre

An original musical review of Broaoway songs, "Yankee Doodle Tune," is being offered as an Un-Common After Dinner Theatre presentation by Kern Graduate Commons at 8 p.m. on Thursday and Friday, Aug. 5 and 6, in Kern Graduate Bldg. Dessert, including apple pie, ice cream, coffee and tea will be served. Tickets are available at the Kern desk at $2.75 for theatre and dessert or $2 for the theatre alone.

Bober acting as consultant

Dr. Phyllis P. Bober, dean of the Graduate School of Arts and Sciences at Bryn Mawr College and Internationally known art historian, is presently acting as a consultant to the undergraduate and graduate programs in humanities at Capitol Campus. Dr. Bober is working under a National Endowment for the Humanities grant which extends from April 1 through July 31. According to Dr. Theodora R. Greham, assistant professor of humanities and English and coordinator of the Graduate Program in Humanities at Capitol Campus, Dr. Bober's final report will evaluate present curricula and organization and also make recommendations concerning the program's ideas for changes in requirements and course improvement.

Football press guide on sale

Orders are now being accepted for Penn State's award-winning football press guide. The 132-page book, voted the best in the area last year by the College Sports Information Directors of America, may be ordered for $2.50 from the Athletic Department, Room 237 Recreation Bldg. Included in the press guide are rosters, player sketches, coaching biographies, records, results, season outlook, a review of the 1975 season, top performances, award winners, All-Americans, a game-by-game review of Penn State football since 1887, a complete list of all-time letternen, future schedules and other information. Among the new features of the 1976 edition are a list of Penn State's 100-yard rushing performances, a list of all present and former Nittany Lions in the National Football League and stories on Penn State's graduation rate and record against conference and intersectional competition.

Hopkins joins Hershey program

To encourage more students to enter primary care specialties in rural areas, Johns Hopkins University School of Medicine began participating this month in Hershey's program of primary care preceptorships in areas of medical need.

Dr. Thomas L. Leaman, professor and chairman of family and community medicine at Hershey and the project director, said the new grant initiates "an entirely new concept whereby a long established medical school expands the educational opportunities for its students by joining in the continuing effort of an established program in a new medical school. At the same time, it will make Hopkins students aware of the future practice opportunities available in rural Pennsylvania."

The full-time preceptorship enables the student to live, work and study around the clock with the physician in his community. Twenty junior and senior medical students will leave Johns Hopkins inner-city campus for four- to nine-week periods during the academic year. At the same time 82 Penn State students will participate. The Penn State program involves 188 preceptors practicing at 88 locations in 44 counties in Pennsylvania.

NSF traineeship grant

Penn State will receive a grant of $231,000 from the National Science Foundation to support 11 traineeships under the Energy-Related Graduate Traineeships program. The amount, which is the largest approved this year for any one situation, will provide traineeships for seven graduate students engaged in coal research and four in research in the area of nonrenewable resources. The awards were made to help the nation meet its future needs for energy and non-renewable resources and were assigned to 29 institutions which confer doctoral degrees in science and engineering. Each trenee will receive a stipend of $300 per month, while the traineeship institution receives an annual cost-of-education etlowance of $3,400 for each full-time traineeship awarded.

Faculty Club chef

(Continued from page one)

Club and has also taken note of the nice wooded area around the building. "Maybe we could try e baau out there sometime o' e New Engleod clem bake," he muses.

He promises, however, not to repeal an episode that occurred one cold winter day when he was preparing steaks teriyaki on a charcoal grill. The weather was so harsh that he decided to move his grill indoors, and wilhin a few minutes of doing so was confronted by the local fire department, called by anxious neighbors who had seen waves of smoke coming out of the building.

"The steaks were delicious," Mr. Newberry reports, "but the fire chief still wasn't pleesed!"

Staff vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m. Aug. 5, 1976. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

PRODUCER-DIRECTOR (WPSX-TV), CONTINUING EDUCATION — University Park

Responsible to the Executive Producer for writing, planning and coordinating a weekly 15 minute in-school instructional series on contemporary affairs for upper elementary students. Bachelor's degree or equivalent, plus one to two years of directly related experience in general interest writing and television film production.

RESEARCH AIDE, COLLEGE OF AGRICULTURE — University Park

Work in analytical chemistry laboratory. Perfect current, if needed, implement additional techniques required in the chemical analysis of animal tissues. Responsible for the routine inorganic and organic chemical analysis of animal tissues including (a) preparation, standardization, and testing of analytical reagents, (b) a working knowledge of atomic absorption spectroscopy for the determination of various elements in animal tissues, and (c) a working knowledge of ultraviolet and light spectroscopy for the determination of various inorganic and organic chemical constituents in animal tissues. Bachelor of science degree in chemistry, biochemistry, biophysics or a closely related degree and at least two years of research experience or effective laboratory experience

THERAPEUTIC DIETITIAN — Hershey

Responsible to the Patient Nutritional Care Coordinator for maintaining the nutritional status of patients by interpreting diet prescriptions, individualizing menu plans, evaluating food consumed and counseling in the application of the principles of nutrition to the selection of food. Graduate of an accredited college or university with a bachelor of science degree in foods and nutrition or a related field, preferably an AOA membership. Over one and up to two years of effective related experience.

Funding sources

For further information, call 865-1372

(235-1) Grant applications describing development of **alternative energy sources** and related program support activities will be received by Community Services Administration (CSA). Evaluation or research and demonstration programs are included. Regulations for these and other portions of the CSA **emergency energy conservation** programs have been published (Rel 41FR29125-28, 7/15/76)

(235-2) General provisions and final regulations for **OE's Special Projects Act** have been published, and regulations for priority programs within the act will be published soon. Included are middle education, community education, career education, consumer education and arts education programs. Women's education equity programs, as well as those for gifted and talented children, will also be supported. (Rel 41FR29278-83, 7/15/76) (CFDA 13.541/553/554)

(235-3) Regulations for **PHS grants for health manpower education initiative projects** have been issued. Projects to alleviate health personnel shortages in certain areas, training and health service delivery will be funded (Rel 41FR29360-64, 7/16/76)

(235-4) DHEW has issued **proposed rules for non discrimination on the basis of handicap,** under programs and activities receiving or benefiting from federal financial assistance (Rel, 41FR-29349-67, 7/16/76)

(235-5) Copies of **NSF's seven-page summary of decisions relating to FY1976 reorganization, peer review process, proposal processing and public interest in science and technology** are available through the Resource Information Office (865-1372).

FELLOWSHIPS (REF. F076-14)

(For further information inquire at 317 Kern, 865-2514)

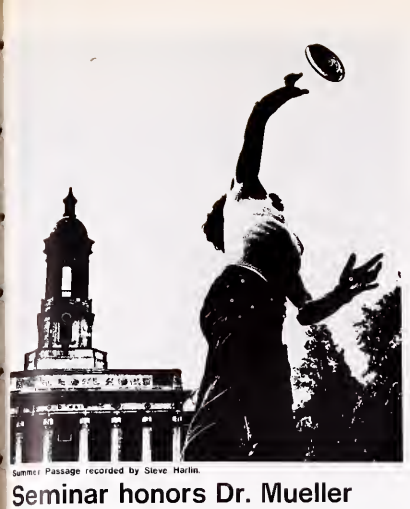
(235-6) Fred C. Glockner Foundation — for M.S. and Ph.D students in floriculture; deadline Nov. 1.

(235-7) HEA — for non-student painters, photographers, sculptors, artists and printmakers; deadline Oct. 15.

(235-8) Office of Telecommunications Policy — post-doctoral fellowships in International Information resources, deadline Dec. 15.

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Volume 5, Number 44 August 5, 1975



Summer Passage recorded by Steve Harlin.

Seminar honors Dr. Mueller

More than 70 scientists from around the world are holding meetings at the University Aug. 2-6 during the 23rd International Field Emission Symposium at which Dr. Erwin W. Mueller, Evan Pugh professor emeritus of physics, is being recognized for his many outstanding scientific accomplishments.

This year marks the 40th anniversary of Dr. Mueller's introduction of the field emission microscope, the 35th of his discovery of field desorption, the 25th of his invention of the field ion microscope and the 20th of his invention of the high resolution field ion microscope that made him the first man to see individual atoms.

Nearly 60 papers describing the continuing worldwide research on Dr. Mueller's discoveries have been scheduled during the symposium's nine sessions. Dr. Mueller and his co-workers have prepared four papers. Drs. T. T. Tsong, Paul H. Cutler, and T. Emmanuel Feuchtwang, professors of physics, and their students are delivering five papers. Dr. Roland H. Good Jr., professor and head of the Department of Physics, and Dr. Cutler are serving as session chairmen. Dr. Tsong is also serving as local organizing committee chairman. The remainder of the papers are being presented by scientists from throughout the United States and Europe.

The International Field Emission Symposiums have been held annually since 1952, and Penn State previously served as a host in 1957, 1965 and 1973. The current symposium is sponsored by the University's Department of Physics and the National Science Foundation.

News in brief

UDIS search committee formed

An eight-member search committee to consider candidates for the directorship of the Division of Instructional Services has been named by Dr. Robert E. Dunham, vice president for undergraduate studies.

The current director of the division, Leslie P. Greenhill, has announced his retirement effective Jan. 1, 1977.

Committee members include: David W. Stickell, supervisor, Examination Services, chairman; Joseph F. Douglas, associate dean of academic instruction for Commonwealth Campuses; Louise Gentry, associate dean for undergraduate education and student affairs, Human Development; Richard Lamberski, senior television production specialist; Eugene R. Melander, assistant vice president for undergraduate studies; Mary Musca, liberal arts undergraduate student, Roland J. Pellegrin, professor and head of sociology; and Paul W. Welliver, professor of education.

Fleet Operations' charges rise

Effective Aug. 1, the charge for the use of vehicles from the University Fleet Operations Division will be 13 cents per mile for compacts and intermediate sedans and wagons, and 14 cents per mile for full-sized sedans and station wagons.

Other vehicles such as four-wheel drive and maxi-vans are available at varying mileage rates. Vehicles may also be assigned full time to departments for extended periods, and minimum mileage rates are available from Fleet Operations for these assignments.

When a driver is furnished by Fleet Operations for any vehicle, the charge is $5 per hour ($7.50 per hour when overtime has to be paid), plus expenses. In the event it is necessary for an employee to use a privately owned vehicle for offical University business, reimbursement for such use will be made at the rate of 14 cents per mile.

New Audio-Visual materials

Audio-Visual Services announces that the following reference materials have been recently acquired:

"Film Literature Index," Vol. 1, No. 4, 1973 (Annual Cumulation);

"Catalog 76: A Central Source for Business and Vocational Educational Materials";

"USTA Tennis Film List 1975"; and

"Energy Films Catalog," Energy Research and Development Administration.

Faculty are encouraged to make use of these and the other bibliographic and reference materials housed in the Reference-Advisory Unit, Room 17, Willard Bldg.

Bowhunting Workshop

Faculty or staff eager to develop the skills necessary to hunt the whitetail deer successfully in its natural habitat might be interested in a two-day Bowhunting Workshop, which will be held Aug. 28-29 at Stone Valley. Further information is available from Continuing Education, 865-3443.

Recent books from the Pennsylvania State University Press

The Convento della Carita

The Press has issued the sixth work in its "Corpus Palladianum," "The Convento della Carita" by Elena Bassi.

The "Corpus Palladianum" is a comprehensive multi-volume series of monographs, each devoted to one of Palladio's major buildings. When completed, these works will provide a complete documentation of the buildings of this 16th century architect of the Veneto, who was one of the greatest artists of the Renaissance.

The series offers scholars access for the first time to detailed views of sculptural and painted decoration in Palladio's buildings. Plans and elevations have also been especially prepared. This latest volume contains 162 illustrations, including color plates and scale drawings.

Only part of the original design of the Convento della Carita in Venice is preserved. It was an attempt by Palladio to recreate a grandiose Roman house and the book studies the building's conception, execution and subsequent vicissitudes.

In Defense of Women

"Recognition of an author who may have been "America's first professional writer of fiction" is accorded by Dorothy Weil in her study, "In Defense of Women. Susanna Rowson (1762-1824)."

Mrs. Rowson is probably best known for a novel, "Charlotte Temple," published in 1794 and since reprinted in nearly 200 editions. However, she also wrote seven other novels, seven theatrical works, two collections of poetry and two of fictional sketches, plus miscellaneous song lyrics and six pedagogical works. She acted with several theatre companies, managed a household which included several adopted children and directed a school for young women.

Questioning critic Leslie Fiedler's view of Mrs. Rowson as an author who tried to project "the American woman's image of herself as the long-suffering martyr of love — the inevitable victim of male brutality and lust," Dr. Weil suggests that this picture is inaccurate because it is based on only a small sampling of Mrs. Rowson's work

"If Mrs. Rowson's stated intentions and themes are traced from the first to the last of her work," Dr. Weil says, ". . . we see the robust teacher who stresses the Christian religion, democratic ideals, reality over fantasy, and sense over sensibility, and who tries to tie these teachings to a realistic and practical view of life."

Dr. Weil, who teaches at Edgecliff College, received her Ph.D. at the University of Cincinnati and is co-founder of the Cincinnati Women's Press.

A Better Kind of Hatchet

The impact of European culture on the Cherokee Indian Nation is examined in a book by John Phillip Reid, "A Better Kind of Hatchet: Law, Trade and Diplomacy in the Cherokee Nation during the Early Years of European Contact."

Dr. Reid, a professor of law at New York University, is the author of an earlier work, "A Law of Blood. The Primitive Law of the Cherokee Nation." Building on this study, he concentrates in his new book on trade and the laws of trade and also shows how trade affected diplomacy.

The Cherokees, Dr. Reid points out, had laws and customs governing trade, barter, sales, contracts and debts before any settlers arrived, and when British and Cherokee law first came into conflict, it was the former that usually yielded. During the 1715-16 Yamasee War, Cherokee intervention was vital to the survival of the English settlers of South Carolina, who had been threatened by the Creeks. The Cherokees forsook Indian solidarity because they thought their trade relations with the British more valuable. Eventually, however, the Cherokees yielded to economic reality. Dr. Reid writes:

"Trade put the nation at a distinct disadvantage . . . . The reason is found in the basic positions of the bargaining parties. South Carolina could survive without Cherokee deerskins; the Cherokees could not survive without Carolina-supplied ammunition."

Dr. Reid is also the author of two books on early American judges. A graduate of Georgetown and Harvard Law, he holds master's degrees from New Hampshire and NYU as well as a doctorate from the latter institution.

The Muckrakers

"The Muckrakers," by Louis Filler, a new and enlarged version of "Crusaders for American Liberalism," first published in 1939, explores that group of writers who led the "literature of reform" movement during the Progressive Era.

In his analysis of the muckraker, Mr. Filler describes the writer as one who "dealt with facts and not with theory. . . . Whatever he concluded about business and the theory of capitalism — and he reached various conclusions — he made sure to give the facts and details about his subject. . . . Conservatives called him a sensationalist; critics and writers in the old tradition, whose stock had fallen low, accused him of being a mere journalist."

"The Muckrakers" offers some classic case studies of the muckraking movement — the growth of McClure's Magazine, Steffens' "The Shame of the Cities," trust busting, Sinclair's "The Jungle," corrupt financing, insurance investigations, child labor abuses, Phillips' "The Treason of the Senate," and many others.

Though Progressivism is gone, muckraking survives. Mr. Filler concludes: "Muckraking, as distinguished from Progressivism, has continued more alive than ever in the work of Drew Pearson, Jack Anderson, I. F. Stone, and the Daniel Ellsberg of the Pentagon papers. Muckraking has been critical of national leaders and administrations, of corporate under-the-table contrivings, of the status of women, youth, "gays," and sexual mores and their social implications in general."

San Andrea in Mantua

"San Andrea in Mantua: The Building History" examines the final architectural work of the 15th century Italian humanist, Leon Battista Alberti.

Author Eugene J. Johnson, associate professor of art at Williams College and director of the Williams College Museum of Art, writes of his purpose: "The chief aim . . . is to answer a number of questions raised over the last 15 years about the fidelity of the present church to Alberti's original design of 1470."

The Mantua church, thought by many to be Alberti's masterpiece, was over 300 years in construction, and the bulk of Mr. Johnson's book is given over to a detailed study of the building history.

An Auto Worker's Journal

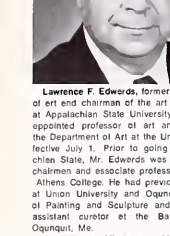
"An Auto Worker's Journal" is an account of the development of the United Auto Workers by long-time UAW member Frank Marquart. Mr. Marquart says in his preface that he intends his book to be, "a forthright personal account of labor developments as they touched my life."

Mr. Merquart began working in the auto industry in 1914 and shortly thereafter joined the union movement, in which he stayed active until his retirement in 1953.

The book deals with his early life as an auto worker, his radical activities during the '20s and '30s, and his extensive work in labor education in later years.

PENN STATE COLLECTION

Faculty notes



Lawrence F. Edwards, formerly professor of ert end chairman of the art department at Appalachian State University, has been appointed professor of art and head of the Department of Art at the University, effective July 1. Prior to going to Appalachian State, Mr. Edwards was department chairmen and associate professor of art at Athens College. He had previously taught at Union University and Ogunquit School of Painting and Sculpture and served as assistant curetor et the Barn Gellery, Ogunquit, Me.

A native of Mississippi, Mr. Edwards earned his B.A. from the University of Southern Mississippi end his M.F.A. from the University of Mtssissippi. As a professional artist, Mr. Edwards, a painter, has exhibited widely throughout the Southeast and in Maine. His work was featured in a two-man show at the Washington Gallery of Art, Washington, D.C., end he has contributed paintings to numerous juried end invitetional exhibitions.

James W. Mettler, associate professor of mathematics at the Schuylkill Campus, has retired after 20 years service. A graduate of Bucknell University — he received both his B.A. and M.A. there — he also earned an M.S. et Lehigh University.

He joined the Schuylkill Campus faculty in 1956 and has taught a wide range of mathematics courses. Henry I. Herring, Schuylkill campus director, describes him as "an outstanding teacher who has ranked No. 1 in student evaluations in the last several years." Prof. Mettler is a Freedoms Foundation medalist and served as editor of e Mathematics Association of America journal for junior colleges. He also is a member of Pi Mu Epsilon, honorary mathematics fraternity, and Sigma Pi Sigma, physics honorary.

Dr. Joseph R. Reed, associate professor of civil engineering, will present a paper titled "An Evaluation of Friction Slope Models" before the third annual Symposium on Inland Waterways for Navigation, Flood Control and Water Diversions. The symposium, which is popularly titled "Rivers '76" will be held at Colorado State University Aug. 10-12. Co-sponsoring the conference are the American Society of Civil Engineers and the National Science Foundation.

Dr. V. S. Stubican, professor of ceramic science, presented two papers last month at the International Meeting on Reactivity of Solids in Goetheborg, Sweden. The first paper was entitled "Separation of Phases in Carbide Systems." The second paper, "Phase Transitions in Zirconia," was coauthored with **Dr. H. McKinstry,** associate professor of solid state science. Dr. Stubican also visited Budapest at the invitation of the Hungarian Academy of Sciences, and presented a talk on "Interdiffusion Studies In Oxide Systems."

Recently Dr. Stubican was appointed to the U.S. National Academy of Sciences National Research Committee and to the Committee ol the Austrailen Department of Sciences. As e member of these committees, he will help in selection of research proposals in the field of material sciences.

Dr. Joseph J. Villafranca, assistant professor of chemistry, presented a plenary lecture at the 5th International Congress on Catalysis in London, July 12-16. The lecture was titled, "Structure of Metallo-enzyme Active Sites and Their Relationship to Function."

Dr. W. Wayne Hinish, professor of agronomy extension, has been named to the editorial board of Crops and Soils magazine, published by the American Society of Agronomy, for a two-year term.

Sixteen faculty members from the Departments of Chemistry, and Biochemistry and Biophysics are the authors of research papers to be presented at the American Chemical Society Centennial Meeting Aug. 29-Sept. 3 in San Francisco. They are: **Harry R. Allcock, Norman C. Deno, JuEan P. Heicklen, J. Clarence Hisatsune, Joseph Jordan** and **Frederick W. Lampe,** professors of chemistry; **James B. Anderson** and **Peter C. Jurs,** associate professors of chemistry; **Gregory L. Geoffroy, Terence H. Risby** and **Edward S. J. Tomezsko** (Delaware County), assistant professors of chemistry.

Also: **Rosemary Schraer,** professor of biochemistry; **Alec Keith** and **Wattace C. Snipes,** professors of biophysics; and **Charles R. Hartzell** and **Paul K. Warme,** assistant professors of biochemistry.

Dr. Robert A. Simko, associate professor of social science and geography, has been named head of the Master of Regional Planning Program at Capitol Campus. A graduate ol Rutgers, with a B.A. in geology and an M.A. in geography, Dr. Simko received his Ph.D. in geography from Indiana University. He was an assistant professor of geography at Middlebury College and State University College, New Paltz, N.Y., and also served for three years as lecturer in geography at the University of East Africa, Tanzania.

Dr. Budugur Lakshminarayana, professor of aerospace engineering and a staff member of ARL, presented a paper at the Third Aeroacoustics Conference of the American Institute of Aeronautics and Astronnutics at Palo Alto, Cal., July 20-22. The paper, "Noise Due to Interaction of Boundary Layer Turbulence with a Compressor or Propulsor Rotor," was co-authored by **Neil Moiseev,** a graduate student in engineering acoustics, and **Dr. D. E. Thompson,** research associate at the Applied Research Laboratory.

Obituary

Catherine Delano Major, an assistant professor of history at the Fayette Campus, died July 22. Born Sept. 1, 1912, she earned her A.B. at the University of Kansas and her M.A. at New Mexico Highlands University. She taught at Kansas before joining the Fayette faculty in 1965. Her research interests centered around the field of archaeology during the previous century, and she was the recipient of an award for distinguished teaching from Fayette's students in 1973.

Funding sources

For further information, call 865-1372

[238-1] The Office of Education has issued final FY1976 funding priorities for **Special Community Service and Continuing Education Projects.** The program deadline was April 23, 1976. (Ref. 41FR25855-56, 7/20/76) (CFDA 13.557) (21PS)

[236-2] The National Endowment for the Arts has issued application guidelines for its **Work Experience Internship Program,** which brings arts administrators to the NEA Washington offices for any one of three 13-week periods. The deadlines are Nov. 12, 1976 (Feb. 7-May 6); March 4, 1977 (June 6-Sept. 2); and June 17, 1977 (Sept. 19-Dec. 16) Previous internships included dance, education, folk arts, museums, music, performing arts, and program information.

[236-3] EROA has expended and clarified its policies and procedures for receipt, evaluation, acceptance or rejection of **unsolicited proposals.** (Ref, 41FR30330-34, 7/23/76)

[236-4] Applications for **NIMH new and renewal clinical or service training programs in mental health** are due Sept 15. Continuation applications are due Dec. 1. (Ref, NIMH memo 7/5/76)

FELLOWSHIPS (1976-1977)

For further information inquire at 317 Kern, 865-2514

[236-5] Winter Term Tuition **Grants-in-Aid,** deadline 9/30/76

[236-6] Spring Term Tuition **Grants-in-Aid,** deadline 1/3/77.

[236-7] PSU **Graduate School fellowships and traineeships,** deadline 2/3/77 for PSU graduate students; 2/17/11 for incoming students.

[236-8] Summer and Fall Term **Grants-in-Aid,** deadline 4/7/77.

[238-9] Smithsonian Institution, deadline 1/15/77.

[238-10] National Institute for Drug Abuse, pre- and post-doc.

[238-11] National Science Foundation, graduate fellowships deadline 11/29/76; sciences faculty fellowships Feb., 1977; NATO end Senior Fellowships Nov. and Dec., 1976.

[236-12] International Research and Exchanges Board, pre- and post-doc Nov 1 and Nov. 10 — Russia and Eastern Europe

[238-13] American Museum for Natural History, pre- and post-doc work at museum.

[236-14] Arctic Institute of North America, grants-in-aid

[236-15] National Wildlife Federation, pre- and post-doc, deadline 12/31/76.

University Park calendar

Special events

Thursday, Aug. 5
Shavers Creek Nature Center, marsh walk, 6:30 p.m., Stone Valley.
Free U "Disco Dancing," 7 p.m., Room 301 HUB.
Festival Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre.
New York Renaissance Band, 8 p.m., Music Bldg. recital hall.
Festival Theatre, "That Championship Season," 8 p.m., Playhouse Theatre.
Un-Common After Dinner Theatre, "Yankee Doodle Tune," 8 p.m. Room 112 Kern.

Friday, Aug. 6
Interlandia Folk Dance Club, 7:30 p.m., HUB terrace and ballroom.
GSA Commonspace Coffeehouse, Bob Doyle and the Buffalo Chipkickers, 8 p.m., Room 102 Kern.
Festival Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre.
Festival Theatre, "That Championship Season," 8 p.m., Playhouse Theatre.
Un-Common After Dinner Theatre, "Yankee Doodle Tune," 8 p.m., Room 112 Kern.
Shavers Creek Nature Center, "Ghoulies and Beasties and Things that go bump in the night," 8 p.m., Stone Valley

Saturday, Aug. 7
Festival Theatre, "Little Mary Sunshine," 8 p.m., Pavilion Theatre.
Festival Theatre, "That Championship Season," 8 p.m., Playhouse Theatre.
Shavers Creek Nature Center, evening program, 9 p.m., Stone Valley.

Tuesday, Aug. 10
Alpha Phi Omega Bloodmobile, 10 a.m.-4 p.m., HUB ballroom.
Shavers Creek Nature Center, "Frogs, Toads and Snakes," 7 p.m., Stone Valley.

Wednesday, Aug. 11
Shavers Creek Nature Center, evening nature walk, 9 p.m., Stone Valley.

Thursday, Aug. 12
Shavers Creek Nature Center, marsh walk, 6:30 p.m., Stone Valley.
Free U "Disco Dancing," 7 p.m., Room 301 HUB.

Friday, Aug. 13
Interlandia Folk Dance Club, 7:30 p.m., HUB terrace and ballroom.
Shavers Creek Nature Center, "Ghoulies and Beasties and Things that go bump in the night," 8 p.m., Stone Valley.

Saturday, Aug. 14
Shavers Creek Nature Center, evening program, 9 p.m., Stone Valley.

Sunday, Aug. 15
Shavers Creek Nature Center, evening program, 9 p.m., Stone Valley.

Seminar

Wednesday, Aug. 11
Ceramic Science, 11 a.m., Room 301 Mineral Industries. Wate T. Bakker, Chief, Materials Branch, Fossil Energy Research, ERDA, on "Refractories for Coal Conversion Processes."

Films

Thursday-Sunday, Aug. 5-8
ARHS film, "Death Wish," 8 and 10 p.m., Pollock Rec Room.

Thursday-Friday, Aug. 12-13
GSA Commonsplace Theatre, "1984" and "Animal Farm," 8 p.m., Room 112 Kern.

Thursday-Sunday, Aug. 12-15
ARHS film, "2001: A Space Odyssey," 7:30 and 10 p.m., Pollock Rec Room.

Exhibits

Museum of Art: American Paintings and Furniture from the Permanent Collection. Central Pennsylvania Festival of the Arts Juried Crafts Show. Prints by Pennsylvania Artists.
Chambers Gallery: Melanie Lynch, Hangings. Bonnie Winstone, Rugs.
HUB: Central Pennsylvania Festival of the Arts' Elementary and Junior High Art through Aug 13. **HUB Gallery:** CPFA Arts 10 Juried Exhibit.
Zoller Gallery: M.F.A. Show; Suzanne Glascock, Printmaking; Charles Moore, Printmaking; Jan Mrozinski, Ceramics.
Hammond Gallery: M.F.A. Show, Anthony Herrera, Paintings, through Aug. 7. M.F.A. Show, Joseph Scopa, Sculpture, Aug. 8-14.
Kern Gallery: Aliza Thomas, Prints. Printmakers in Art, through Aug. 14.

Staff vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until **5 p.m., Aug 12, 1976. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

ARCHITECTURAL ENGINEER, COLLEGE OF ENGINEERING — DEPARTMENT OF ARCHITECTURAL ENGINEERING (INSTITUTIONAL ENGINEERING ADVISORY SERVICE) — University Park

Responsible for advising State-owned institutions on the planning, design, operation and maintenance of heating, ventilating and air conditioning (HVAC) systems and automatic building environmental control (ATC) systems. Develop specific energy conservation recommendations. Bachelor's degree or equivelent in architectural, electrical, industrial or mechanical engineering and professional engineer's license, plus 4 to 8 years of afective experience in planning, design, operation and maintenance of HVAC and ATC systems

ASSISTANT FINANCIAL OFFICER — Capitol Campus

Responsible for various financial and administrative matters, to include special accounting projects as assigned. Bachelor's degree in business administration with a major in accounting or equivalent. Six months to one year of experience desired.

SPECIALIST, CHILD DEVELOPMENT CENTER — Capitol Campus

Responsible for implementing the planned educational program of the Child Development School, including instruction of children, acting as cooperating teacher, assisting in the training of students and teacher aides, supervising of teacher aides and maintaining records of children. School children Bachelor's degree or equivelent, with eligibility for Pennsylvania Private Certification, plus over 3 months and up to and including 12 months of directly related experience.

STAFF ASSOCIATE, CONTINUING EDUCATION — University Park

Responsible to the Head of Planning Studies for developing and conducting various projects, surveys and applied research studies related to the University and Statewide program of Continuing Education. Doctorate or equivalent in psychology or related social science, with strong emphasis on measurement and statistical methodology or equired. Three to four years of directly related experience with management and/or supervisory responsibility in academic or scientific environment and a knowledge of computer applications for data reduction and analysis are essential

WPSX highlights

The growth of an American city is documented on "Charlestown: Three Centuries of Town Life" at 7:30 p.m. on Friday, Aug. 6. The half-hour special traces the development of the Charlestown area of Boston, using old paintings and maps, a re-enactment of the Battle of Bunker Hill, and interviews with current neighborhood residents.

Filmmaker Raoul Walsh is profiled on **The Men Who Made the Movies** at 10:30 p.m. on Saturday, Aug. 7. After learning his trade from D. W. Griffith, he went on to make such silent classics as "What Price Glory?" and "Thief of Baghdad," along with action talkies like "High Sierre."

The author of "Peter Rabbit" and other classic children's stories is the subject of "Beatrix Potter: A Private World" at 8 p.m. on Monday, Aug. 9. The documentary is based on Miss Potter's secret diary, written in code, and on interviews with the people who knew her.

Ellen Stewart, head of the famed La MaMa Theater Company, is featured on **Talkabout** at 10 p.m. on Monday, Aug. 9. Talking with host Nancy Miller, Ms. Stewart discusses creativity and the worldwide interest in theater. The program may also be seen at 3 p.m. on Tuesday, Aug. 10 and at 1:30 p.m. on Saturday, Aug. 14.

The work of Indian artist Fritz Scholder is examined on **American Indian Artists** at 8:30 p.m. on Tuesday, Aug. 10. Although his academic training and personal experience is largely non-Indian and non-reservation, Mr. Scholder has chosen to paint the American Indian as he is today. The program explores his work by tracing the evolution of e painting and e lithograph from conception through execution.

The era of manned and unmanned space travel is the topic of **Nova** at 8 p.m. on Wednesday, Aug. 11. Made before the Viking landing on Mars, the hour-long documentary shows some of the scientific discoveries that have resulted from the exploration of the solar system.

PENN STATE FACULTY CLUB
University Park, Pa.

MONDAY — **AUGUST 30, 1976**

LUNCHEON

Fresh Florida Shrimp Cocktail	$2.50	Supreme of Vichyssoise	.60
Strasbourg Pate Maison	1.50	Chilled Tomato or Fruit Juices	.50

Chicken and Okra Soup Served With All Entrees

FILET OF DOVER SOLE SAUTE, MEUNIERE	$2.75
BACON WRAPPED CHOPPED SIRLOIN OF BEEF, BORDELAISE	2.50
BABY CALVES' LIVER SAUTE, BACON	2.25
MINUTE SIRLOIN STEAK	3.50
ROAST SIRLOIN OF BEEF, AU JUS	2.75

Choice of Two:

French Fried Potatoes — Buttered Peas
Home Fried Potatoes — Carrots Vichy
Jello Salad — Tossed Garden Salad
Faculty Club Hot Slaw, Bacon Dressing
Cottage Cheese and Chives

Desserts:

Club-Baked Pies	.60	German Chocolate Cake	.60
Walnut Layer Cake	.60	Ice Cream or Sherbet	.60
Rum Nut Sundae	.75	Gold Brick Sundae	1.00
Cheese Cake	.60		
Chilled Cantaloupe or Watermelon	.60		

Coffee — Sanka — Tea — Milk

PENN STATE FACULTY CLUB
University Park, Pa.

MONDAY — **AUGUST 30, 1976**

DINNER:

Fresh Florida Shrimp Cocktail	$2.50	Supreme of Vichyssoise	.60
Strasbourg Pate Maison	1.50	Chilled Tomato or Fruit Juices	.50

Chicken and Okra Soup Served With All Entrees

BONED WHOLE COLORADO BROOK TROUT, CRAB MEAT STUFFING	$6.50
BROILED GULF RED SNAPPER, CAPER BUTTER	6.50
FILET MIGNON, GRILLE, BORDELAISE	7.95
WIENER SCHNITZEL A LA HOLSTEIN	6.95
SCALOPPINE OF VEAL A LA MARSALA	6.00
BREAST OF CHICKEN, CHASSEUR	5.50
Last Touch: TOURNEDOS OU BOEUF, ROSSINNI	7.50

Above is **the complete luncheon menu and a partial dinner one for the opening meals at the Faculty Club. Sandwiches, both hot and cold, as well as salads and cold plates are also available at lunch.**

Faculty Club opens Aug. 30

Penn State's Faculty Club will hold an open house for the entire University community from 2 to 5 p.m. on Monday, Aug. 30.

Hosts and hostesses will be present to offer guided tours of the club's new building, which is located behind the Nittany Lion Inn. Parking is available in the Inn's lot.

The club opens officially at 11 a.m. on Aug. 30 with a ribbon cutting ceremony conducted by club president Donald R. Olson. Members will be able to enjoy a Dutch-treat lunch that day from 11:30 a.m. to 2:30 p.m., and dinner will be served from 5 to 8 p.m.

The club will be open daily thenceforth from 11 a.m. to 9 p.m., Monday through Saturday, and from 11 a.m. to 2:30 p.m. on Sunday when a brunch will be served.

Anthy. 1 revisions described

In an attempt to make the educational experience offered to students at University Park and the Commonwealth Campuses as similar as possible, the Department of Anthropology has drastically revised its Introductory course. INTERCOM is reprinting the text of a report issued on the project because of its innovative pedagogical aspects. The course is not set in stone; revisions on two of its nine units are currently in process. The project was carried out with the aid of a grant under the Course Improvement Program of the Office of the Vice President for Undergraduate Studies.

In our decision to revise the course, there were several issues to which we addressed ourselves. First, while it is generally agreed in the profession that an introductory course in anthropology requires at least two semesters and preferably three, we had been attempting to cover the same material in ten weeks. Secondly, we believed that neither the system of teaching via television tapes nor that of teaching in a single lecture section enrolling 350 to 400 students was motivating students to maximize their intellectual profit from the course nor to undertake further studies. Third, not only were there significant differences in the two courses with respect to content and format, but in neither case was it clear what the course was intended to do for the student as part of his education.

We began by confronting the content problem: How to cover the material in the time allowed. Clearly we could not simply double or triple the amount of material to be covered and expect the students to cope. Since the course is an introductory course, we could not expect the students to have any experience with anthropology or, for that matter, with related fields such as biology and sociology. The solution we arrived at resulted from changing our thinking about the meaning of the word "introduction." Most courses so labelled attempt to provide the student with a sketch of the major findings, concepts and methods of the discipline. They are familiarization courses and precursors to more intensive study of particular aspects of the discipline. We decided to use "introduction" to mean a familiarization with the **kinds of questions asked** by the discipline. This orientation also conforms to the instructor's conviction that science is a method of asking questions. If we could introduce the beginning student to the kind of questions asked by anthropologists (and by implication those not asked by them), we could indicate the general nature of the discipline. In over-simplified terms, we wanted to teach the student how to identify those things which interest anthropologists and make some guesses as to how the scientist goes about trying to answer them. In the course, the student would learn some of the concepts of the field and some of the knowledge acquired

(Continued on page two)

LEON J STOUT
C107 PATTEE LIBRARY

PENN STATE intercom

Volume 5, Number 45 — August 12, 1976

News in brief

Flu shots to be given

Swine flu vaccine will be available to University faculty, staff and students when the vaccine is distributed to the Pennsylvania Department of Health.

According to Dr. John A. Hargleroad, director of University Health Services, Penn State will cooperate with the distribution plans of the Department of Health, which has assigned a coordinator to each county for implementation of the distribution program.

Dr. Hargleroad says that University health personnel at all campuses will take part in their local innoculation programs, utilizing campus facilities. Faculty and staff will have the option of receiving innoculations at their county innoculation site or at their campus.

Two programs will be given. The first will use a bivalent vaccine — A/Victoria and A/New Jersey (swine) — to be given to those over 65 years of age or those considered "high risk." The high risk group includes persons with heart disease; chronic bronchopulmonary disease such as severe asthma, chronic bronchitis, cystic fibrosis, bronchiectasis, tuberculosis and emphysema; chronic renal failure; and diabetes mellitus.

The second program will use the monovalent vaccine — A/New Jersey (swine) — and should be taken by everyone not previously immunized with the bivalent vaccine.

The first program is tentatively scheduled for early September. June Krumrine R.A. is the county coordinator.

Calendar news due

INTERCOM will not be published between terms on Aug. 26 and Sept. 2. Material for the fall term calendar, which will appear in the issue of Sept. 10, should be sent to the Calendar Editor, Room 312 Old Main, by Aug. 20.

Traffic tangle Aug. 31

With summer coming to an end, faculty and staff are reminded to make parking and driving plans for what promises to be a hectic New Student Day on Tuesday, Aug 31.

To accommodate the expected influx of a significant number of additional vehicles to the campus, the Department of University Safety has announced the following traffic changes on that day:

— Garner-Shortlidge will be one-way north from Beaver Avenue to Pollock Road

— Pollock Road between Shortlidge and Bigler will be one-way eastbound.

— Mifflin Road between McKean and Pollock will be one-way northbound.

— Curtin Road between Allen and Recreation Bldg. will be one-way eastbound.

— Borrowes Road between Pollock and Curtin will be one-way northbound.

Faculty and staff members are again requested to seek alternate means of transportation to the campus on New Student Day. It is suggested that those who must drive arrange a car pool. And, if you drive, consider carrying a lunch, since you may well lose your parking space if you leave at noon.

A number of parking changes also are being suggested for the day.

Faculty and staff members assigned to parking area Blue-G and Blue-F in the area of Pollock and Centre Halls complexes are asked to park in alternate areas. Staff members who park in area Green-E or Red-E in the area of West Halls are requested to park in alternate areas such as Red-A or Green-B on Aug. 31 and Sept. 1.

"Police Services is asking your cooperation in reducing confusion and congestion on campus during New Student Day," says David E. Stormer, director of University Safety.

"We should all be aware that there will be several thousand drivers on campus who are here for the first time. At the same time, returning former students will be moving into the residence halls, since some 6,000 upperclassmen are scheduled to register for classes on Sept. 1."

Police Services also suggests that faculty and staff members avoid Curtin Road, between University Drive and Bigler Road, during fall term registration on Sept. 1, 2 and 3 in the Intramural Bldg. Only vehicles bearing staff permits will be allowed in the Orange-E and Orange-O parking areas near Shields Bldg.

Reserve Pattee space

Members of the faculty who wish to obtain study space assignments in Pattee Library for the fall term should note that the assignments will be made on a first-come, first served basis, beginning at 7:45 a.m. on Monday, Aug. 30, in Room 106 Central Pattee. There are only 44 spaces available. Further questions should be directed to Cordella Swinton, 865-5420.

All-You-Can-Eat

The HUB Terrace Room is sponsoring an All-You-Can-Eat Buffet from 5 to 6:45 p.m. on Saturday, Aug. 14. Patrons can pit themselves again a buffet table featuring steamship round of beef a jus, Maryland chicken pieces, sealood newberg and lamb fricassee. There will also be fresh whipped potatoes, candied sweet potatoes, rice, peas with almonds, carrots and celery, baked sliced apples and a wide array of salads and desserts.

Friday, Aug. 20, will be the last full day of operation for the Terrace Room until fall term registration begins. Regular meal service will commence on Tuesday, Aug. 31.

Roads to close

The University will begin a program of periodically closing various University-owned roads and walkways next week.

The action is required every 21 years for University property to be maintained as private property.

In order to implement this action, use of all through roads and walkways by the public is to be discontinued for brief periods.

In an effort to cause as little inconvenience as possible, the major campus thoroughfares will be closed during Thanksgiving and Christmas vacations and during term breaks.

Notices posted at the barriers closing the roads and walkways will indicate that the roadway or path is private property.

The first closings of walkways will begin next week.

Roads to be closed include:

Aug. 18 to Aug. 24:

Connector Road opposite Hastings Hall connecting University Drive with Park Road.

Farm Road at Park Road north to Turf Plots.

Bigler Road at University Drive.

Aug. 20 to Aug. 24:

Alley west side of University Club to Applied Research Laboratory at Col-

(Continued on page two)

PENN STATE COLLECTION

Faculty notes

Edward Leos, associate professor of journalism, has been named Photojournalism Teecher/Photographer of the Year by the Association for Education in Journalism. The award was made at the annual meeting of the association last week at the University of Maryland. In a photo judging competition, Mr. Leos won a first place ribbon and two honorable mentions for photo portfolios in the category of "Man's Environment" and a 3rd place ribbon and an honorable mention in the "People" category. His prize-winning photo, "322 East," teatured a pattern of highway signs. Judges in the competition were Arthur Goldsmith, editorial director, Populer Photography; Linda Wheeler, Washington Post; and Herold Flecknoe, Washington Star.

Dr. Charles S. Prebish, assistant professor of religious studies, will present two papers at an international symposium. The History of Buddhism: A Cross-Culturat Study in Comparative World Perspective, Aug. 19-21 in Madison, Wis. His papers are titled "Mahesamghika Origins: The Beginnings of Buddhist Sectarianism" and "Vinaya and Pretimoksa: The Foundations of the Buddhist Samgha." Dr. Prebish will also chair a panel on Issues in Indian Buddhist Sectarianism at the annual American Academy of Religion Meeting in St. Louis on Oct. 28. He will present a paper there on "A New Look at the Origins of Buddhist Sectarianism."

Puthankurissi S. Raju has been promoted from a lecturer to an assistant professor of marketing in the College of Business Administration effective Aug. 1. He received his Ph.D. from the University of Illinois.

Anthy. 1

(Continued from page one)

through its application. Our aim, however, was the opposite of that of a recent introductory textbook entitled "An Encyclopedia of Anthropology."

A book of readings was prepared which consisted of eight papers from the professional literature and one written for the book. Each of the readings was selected because it made explicit why the anthropologist had selected certain problems to work on, how he proceeded, the reverses he suffered, and how he modified the central point of his work. We also wrote a study guide, each chapter of which gave some historical background to the reported research, provided definitions for technical terms likely to be unfamiliar to the students and elaborated on some of the concepts. The study guide chapter ended with a series of study questions about the reading.

Nine video tapes chosen

The audio-visual materials for the course, nine video tapes in cassette form, were chosen to supplement the professional papers. Thus a paper on physiological adaptation to high altitude was accompanied by an audio-visual tape which showed the research in piogress, instruments used, the habitat of the study subjects, etc. The best fit was found with a chapter from "Studying the Yanomamo" by Prof. Napoleon Chagnon and the film "A Man Called Bea," which depicts Prof. Chagnon doing his research among the Yanomamo. We wrote a study guide for the audio-visual materials, and each audio-visual tape was matched with a study guide chapter which pointed out parts of the film thought to be most important conceptually and with reference to the particular reading the tape accompanied.

Having satisfied ourselves with an answer to the problem of content, we were confronted with the problem of space. Where would the students sit and learn this material?

Individualization expensive

Initially we had hoped to develop a completely individualized course in which the student would proceed at his own pace in his own time using his own materials . . . . We soon discovered that the cost of this kind of operation was far beyond what we or might be available. There are also severe problems in the administrative support which such an operation required, and, in addition, we felt that self-pacing was not as essential to successful individualized instruction as its proponents contend. We therefore compromised

As usual, the compromise involved a complete reversal of our original conception: Rather than a completely individualized course in which the student would operate with a great deal of independence, we designed a course in which the student would have very close contact with a teacher. This was possible primarily by use of the telephone. In our present system, the student is provided with the book of readings, and study guides for the readings and the audio-visual programs. Each student enrolled in the course is assigned to a specific tutor. If he wishes to be tutored by this person he calls at specified times. At other times he can call one of the staff tutors who man the phones. If no tutors are available, he leaves a message with the 24-hour answering service and his call is returned.

The course is divided into nine units with a reading and an audio-visual program for each. The student is tested on each unit as he completes it. If he is not satisfied with his performance, he may take a re-test covering the same material. If his performance on the first test falls below a set criterion, usuelly 90 percent, he must contact a tutor who will go over the test with him question by question, pointing out where he went astray, explaining points he did not understand, and giving him references in the reading, the audio-visual program and their study guides. No matter what the student's performance on any test, he may call his tutor for help at almost any time.

Student response good

The student response to the course has been gratifying. Enrollments have increased each term, and student evaluations are almost uniformly laudetory. There are a number of students each term who transfer from the mass enrollment section into the individualized section. Very few move the other way. The performance of students enrolled in the individualized sections is significantly better than those enrolled in the mass section, though both groups are tested in the same way over the same material. Most interesting is the fact that the students tested on each unit as they finish it appear to perform better on the comprehensive final than do the students who are tested only once or twice during the term. Dividing the course into small bits not only increases the amount learned, but also seems to lead to better retention of the entire corpus of material . . . .

In mundane terms the revision of Anthropology 1 has proved profitable. In 1972-73, the course enrolled about 1,200 students at ten locations. It required half the total teaching contribution of a full-time faculty member and 12-15 terms of graduate assistantship. The new course requires slightly more in graduate assistanships but considerably less in direct faculty involvement. In addition Anthropology 414 gains students at no additional expenditure of faculty effort.

We believe that Anthropology 1 represents one of those rare pedagogical innovations which prove an unqualified success. More students learn more and better, enjoy the course more, and cost tess to teach.

The enrollment figures below suggest both a trend to increases in the Individualized Anthropology 1 format and overall enrollment increases.

	1975 — Summer	Fall	Winter	1976 Spring
Commonwealth Campuses Univ. Park	13	108	95	124
Group Instrn. Univ. Park	75	183	205	228
Individualized Instruction	17	150	171	198
	105	441	471	550

News briefs

(Continued from page one)

lege Avenue.

Entrance Drive to Red-G parking area at Atherton Road (Route 322).

Driveways south of Thomas Laboratory at Atherton Road (Route 322).

Aug. 20 to Aug. 25:

Service Driveway to Atherton Hall at East College Avenue.

Flm Road, Eastview Terrace.

Hastings Road to Bigler Road at University Drive.

Elsewhere in academe

In 1969, four out of every 25 young people between the ages of 18 and 24 from families with incomes of less than $3,000 a year were attending college, and almost half of those from families with incomes between $10,000 and $15,000 were doing so. By 1973, these figures had dropped to three out of 25 for the under $3,000 group and to about a third of those in the second income renge. This drop occurred despite the establishment of Federal student-aid grants and loans. Student charges are the culprit, according to a monograph, "Low Tuition Factbook," published by the American Association of State Colleges and Universities. According to Bureau of Labor statistics, a family earning over $14,333 (too much to qualify for significant Federal aid) has only an average of $662 left over to pay for college and all other miscellaneous consumption items after meeting living expenses.

A committee of Temple University's Board of Directors will begin hearings the end of this month to investigate charges that the university engages in sexism and racism. The investigation grows out of charges leveled last spring by a faculty member, a student and a campus security guard "We recognize from the outset that it's impossible for an institution the size of Temple not to have problems," the Rev. Dr. Henry H. Nichols, chairman of the special three-member committee, said.

Georgetown University's four-year-old practice of earmarking 60 percent of its first-year law scholarships for minority students is "arbitrary" and a violation of the Civil Rights Act's bar against discrimination on the basis of race, a Federal judge has ruled. The decision was a victory for J. Michael Flanagan, who sued Georgetown because there were no scholarships left for white students by the time he was admitted in 1973, although there were still scholarships available for minorities.

Under recently passed legislation, University of Maine trustees will choose three "broadly representative" students to meet with faculty and management representatives before collective bargaining for faculty members or professional staff begins.

University Park Calendar

Special events

Thursdey, Aug. 12
Shavers Creek Nature Center, marsh walk 6:30 p.m., Stone Valley.
Free U "Disco Dancing," 7 p.m., Room 301 HUB.

Friday, Aug. 13
Interlandia Folk Dance Club, 7:30 p.m. HUB terrace and ballroom.
Shavers Creek Nature Center, "Ghouls and Beasties and Things that go bump in the night," 8 p.m., Stone Valley.

Saturday, Aug. 14
Shavers Creek Nature Center, evening program, 9 p.m., Stone Valley.

Sunday, Aug. 15
Shavers Creek Nature Center, evening program, 9 p.m., Slone Valley.

University schedule

Wednesday, Aug. 18
Classes end.

Thursday-Saturday, Aug. 19-21
Final examinations.

Saturday, Aug. 28
Commencement.

Films

Thursday-Friday, Aug. 12-13
GSA Commonsplace Theatre, "1984" and "Animal Farm," 8 p.m., Room 112 Kern.

Thursday-Sundey, Aug. 12-15
AHHS film, "2001: A Space Odyssey," 7:00 and 10 p.m., Pollock Rec Room.

Saturday, Aug. 14
GSA outdoor film, 9 p.m., Fisher Plaza.

Exhibits

Museum of Art: American Paintings and Furniture from the Permanent Collection; Central Pennsylvania Festival of the Arts Juried Crafts Show, through Aug. 13; Prints by Pennsylvania Artists, through Aug 22.

HUB: Central Pennsylvania Festivol of the Arts: Elementary and Junior High Art through Aug. 13. **HUB Gallery:** Open Arts Guild Exhibit.

Zoller Gallery: M.F.A. Show, Suzanne Glancock, Printmaking; Charles Moore, Printmaking; Jan Mrozinski, Ceramics. Aug. 16-21.

Hammond Gallery: Joseph Scopa, Sculpture, through Aug. 14.

Chambers Gallery: Melanie Lynch, Hangings; Marjorie Johnstone, Rugs, through Aug. 18.

Kern Gallery: Aliza Thomas, Prints, through Aug. 21. Printmakers in Art, through Aug. 14.

Staff vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for Filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1287 (between the hours 475-1393). Applications for those staff vacancies will be accepted until 5 p.m., Aug 15, 1976. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY**

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS — University Park

Responsible to the Oean of Student Affairs for the area of Student Activities Responsible for the scheduling of the Icome Bldg. development of a campus activities calendar, orientation programs and the student handbook. This individual will assist in the coordination of student activity on the Campus and perform other duties relating to a variety of services and programs as determined by the Oean of Student Affairs. Master's degree, or equivalent, in student personnel, counselor education or related field with approximately one year of directly related experience.

DIRECTOR OF DEFERRED GIVING, OFFICE OF GIFTS AND ENDOWMENTS — University Park

Responsible to the Executive Director, Office of Gifts and Endowments, for the planning and implementation of the University's deferred gifts solicitation program Bachelor's degree (or equivalent) and four to five years of directly related experience in fund raising, public relations, or business related activities Strong personal and written communications skills essential. Background in estate planning and higher education desirable

OATA SYSTEMS COORDINATOR, GRADUATE SCHOOL — University Park

Responsible to the Oean of the Graduate School for providing planning assistance, systems analysis and the development of problems solutions for the various divisions of the Graduate School; define specifications of information requirements and operational needs. Bachelor's degree or equivalent with training in basic computer systems and systems planning, plus two to four years of directly related experience In data processing In an educational setting is required.

ASSISTANT EXECUTIVE DIRECTOR FOR CONSTITUENT SOCIETIES AND SPECIAL PROGRAMS COORDINATOR, PENN STATE ALUMNI ASSOCIATION — University Park

Responsible to the Executive Director for the creation, development and professional guidance of the constituent societies of the Alumni Association and the planning, design and coordination of special programs within the association. A bachelor's degree or equivalent, plus over four and up to and including seven years of directly related administrative experience is required A master's degree is highly desirable

PRODUCER — OPERATIONS SUPERVISOR, PENN STATE RADIO/TELEVISION SERVICES — University Park

Responsible to the Special Projects Director, Penn State Radio, for planning, producing, and administering of assigned Penn State radio programs and for development of new educational and instructional programs. Bachelor of arts or science degree in English, journalism, radio-television or related field, plus one to two years of directly related experience in radio-television programming or related area required

ART ASSISTANT, CONTINUING EDUCATION — DIVISION OF BROADCASTING — University Park

Responsible to the Art Specialist for the design and execution of art work as assigned, maintaining high professional standards and creativity under deadline and budgetary limitations Bachelor's degree (or equivalent), plus one year of directly related experience Employee must have broad experience as an artist in television or film and must understand set design, set construction, etc.

REGIONAL COORDINATOR FOR COOPERATIVE EDUCATION, STUDENT AFFAIRS — University Park

Responsible to the Project Coordinator for Cooperative Education for providing assistance in the development and coordination of cooperative education offerings at the Commonwealth Campuses Bachelor's degree or equivalent plus one to two years of directly related experience in Higher education, cooperative education, or business and industry This is a temporary one-year position (Sept. 1, 1976 to Aug. 31, 1977).

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PENN STATE intercom

Volume 5, Number 16 46

August 19, 1976

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

Driving problems Aug. 31

Faculty and staff are again reminded that parking and driving will be complicated on Tuesday, Aug. 31, as new students arrive on campus. The Department of University Safety suggests that those who must drive form car pools. A number of traffic changes will be in effect that day, making the following streets one-way: Garner-Shortlidge north from Beaver to Pollock; Pollock between Shortlidge and Bigler, eastbound; Mifflin between McKean and Pollock, northbound; Curtin between Allen and Rec. Bldg., eastbound; and Burrowes between Pollock and Curtin, northbound.

Foreign students arriving

Some 250 students from foreign countries will be arriving at the University on Monday, Aug. 23, and local families — from both in and around State College — are needed to help acquaint the visitors with family and community life in the area. Through the auspices of the Friendship Family Program of the Community International Hospitality Council, new foreign students are paired with area families on the basis of leisure and career interests. As time permits, host families share picnics, meals, holidays, sports events, shopping and sightseeing with the visitors. Anyone interested in helping may contact Mrs. Marjorie Freund at 238-2739; Mrs. Mary Goodwin at 238-3868; or the Office of International Student Affairs, 865-6346.

Julie Harris to appear

Because of a cancellation by the Acting Company of "The Robber Bridegroom," Artists Series' Theatre/Dance subscribers will have the opportunity to see Julie Harris in her recent Broadway production, "The Belle of Amherst." This full-length play is fashioned out of materials gleaned from the life, times and works of the 19th century poet, Emily Dickinson. Miss Harris's portrayal of the New England recluse was hailed by the New York theatre critics last winter.

There are still a limited number of tickets available for the Series. The Artists Series office is open Monday through Friday from 9 a.m. to 12:30 p.m. and from 1:30 to 3:30 p.m. Patrons may also call 865-1871.

Fall calendar data due

INTERCOM will not be published between items on Aug. 26 and Sept. 2. Material for the fall term calendar, which will appear in the issue of Sept. 10, should be sent to the Calendar Editor, Room 312 Old Main, by Aug. 20.

President to address parents

President Oswald will hold his third annual President's Convocation for Parents of New Students at 1 p.m. on Tuesday, Aug. 31, in University Auditorium. Dr. Oswald will welcome all parents of new freshmen, transfer students and advanced standing students and offer some insights into the academic and personal experiences that may be ahead for their children at Penn State. The President will address the new students at 8:45 p.m. that same evening, also in University Auditorium.

Intramural entries

Entries will be taken in the Intramural Office (Intramural Bldg.) for touch football and tennis singles, from Tuesday, Sept. 7, until noon on Friday, Sept. 10. All male members of the University staff, faculty and student body are eligible to play. Further information may be obtained by calling 865-5401.



"322 East" — award winning photo by Edward Leos.

Faculty notes

Dr. James R. Bloom is serving as acting head of the Department of Plant Pathology until a permanent head is selected to replace Dr. James Tammen, who resigned to accept the position of Dean of the College of Agriculture at the University of Minnesota. Dr. Bloom received his Ph.D. in plant pathology from the University of Wisconsin. He was appointed assistant professor of plant pathology at Penn State in 1953 and was advanced to the rank of professor in 1966.

Dr. John D. Almquist, professor of dairy physiology, has received the research award of the National Association of Animal Breeders. The award consists of $1,000 and a plaque. Dr. Almquist is internationally known for his work in artificial breeding and reproductive physiology of dairy beef cattle. The present award is his fourth major citation for outstanding achievements since 1959.

Dr. Robert W. Ott, assistant professor of art education, has been named an educational research associate at The Royal Ontario Museum in Toronto, Canada. He will serve on the museum's board of directors and will also assist its Education Department in plans for future development of educational programs for the public.

Glenn R. Kean, professor of animal science, won the Distinguished Extension-Industry Service Award for 1976 from the American Meat Science Association at the organization's annual meeting held recently in Provo, Utah. Prof. Kean received $300, an engraved wrist watch, and a plaque. The award cited Prof. Kean for his outstanding achievements as Penn State's primary meats extension/industry service person. Since joining the faculty in 1948, he has advised the meat industry — especially on plant construction, sanitation, product formulation, and government regulations.

Dr. Harold E. Dickson, professor emeritus of art history, is the author of an article, "Portraits USA 1776-1976," in American Art Review, a bi-monthly magazine published in Los Angeles. Dr. Dickson organized the Bicentennial portrait show held at the University's Museum of Art last spring.

Nancy Cline, government documents librarian, was elected chairman of the Government Documents Round Table of the American Library Association at the annual meeting of the association held recently in Chicago. The Round Table provides a national forum for documents librarians to exchange ideas and work for common goals within the A.L.A. It presently has more than 1,000 members representing academic, public, school and special libraries.

Dr. Paul Gun, professor of cytology and cytogenetics, is the author of a book, "Cytoplasmic Genetics and Evolution," published by Columbia University Press. The book explores an area of genetics and cytology that has not been previously entered — the genetics of the whole organism (cells-fically seen as a combination of many different sorts of gene-bearing particles. Dr. Gun, a graduate of the University of North Carolina with a B.A. in chemistry, received his Ph.D. in plant breeding from Cornell University. He has served on the Penn State faculty since 1954.

Dr. Roy J. Martin, associate professor of animal nutrition, is the first winner of the "Young Scientist Award," a new commendation to be presented annually by the American Society of Animal Science and the American Dairy Science Association. Dr. Martin's analysis of growth and obesity in animals was hailed as "contributing significantly both to the basic sciences and to applied sciences." A member of the faculty since 1970, Dr. Martin holds a Ph.D. from UC-Davis.

Appointments

Dr. Manuel Figueroa as visiting associate professor of microbiology at Hershey. B.S., Honduras; M.S. and Ph.D., U. of Kentucky. Previously head of the department of microbiology at the U. of Honduras.

Traffic kiosks are readied

A system of traffic control, designed to reduce vehicular traffic on central campus roads in the interest of pedestrian safety and environmental improvement, will go into effect at the University on Sept. 1.

The plan, developed after an extensive study by Wilbur Smith and Associates, involves the construction of five kiosks at central campus control points and a parking control system at the Nittany Lion Inn and the Faculty Club.

Also involved in the plan is a change in the issuance of special parking permits, such as departmental floating permits, black "00" bumper stickers for authorized personnel, departmental vehicle any area permits, and fleet vehicle any area parking permits. A $60 annual charge for such permits, payable through departmental funds, will be made.

The control kiosks will be constructed at Burrowes Rd., north of College Ave.; Pollock Rd., west of Burrowes Rd. and also west of Shortlidge Rd.; Allen St., near Park Ave.; and Curtin Rd., west of Shortlidge Rd. Only authorized vehicles will be permitted access to the central campus area, these vehicles to include employees with parking permits and others with specific business in the area.

The parking area at the Nittany Lion Inn will be controlled with an access gate where a parking permit will be issued to motorists. Free parking can be obtained by having the ticket stamped at the Nittany Lion Inn or the Faculty Club. Personnel assigned to the Nittany Lion Inn area are being reassigned to other faculty and staff parking areas.

Dr. Marian Fogel as visiting associate professor of microbiology at Hershey. M. D., U. of Wroclaw in Poland. First recipient of the Lunefeld-Kunin Chair of Genetics at the Weizman Institute, Rehovot, Israel.

Dr. Robert C. Aber as assistant professor of medicine at Hershey. A.B., Franklin and Marshall; M.D., Stanford U. Formerly a fellow in infectious diseases at Massachusetts General Hospital.

Dr. William Berman Jr. as assistant professor of pediatrics at Hershey. A.B., Harvard; M.D., Washington U. of St. Louis. Most recently a pediatric cardiology fellow at UC-San Francisco.

Dr. Eric J. Braude as assistant professor of mathematics at Behrend College. B.Sc., U. of Natal; M.S., U. of Illinois; Ph.D., Columbia U. Formerly held adjunct teaching positions in Europe and Africa, and was assistant professor at Seton Hall U.

Dr. Robert Butterworth as assistant professor of political science. B.A., U. of Washington; M.A. and Ph.D., UC-Berkeley. Formerly a John Parker Compton fellow at Princeton U.

Clifford C. Clogg as assistant professor of sociology. A.B., Ohio U.; A.M., M.S. and Ph.D. candidate, U. of Chicago. Former lecturer at U. of Chicago.

Dr. Pauline Courchesne as assistant professor of French at DuBois. A.B., College of Our Lady of the Elms; M.A. and Ph.D., U. of Kansas. Formerly NDEA fellow and an assistant professor at SUNY-Oswego.

Dr. Thomas S. Davis as assistant professor of surgery at Hershey. B.S., Dickinson; M.D., U. of Pennsylvania. Last year he was chief resident in plastic surgery at Hershey.

PENN STATE COLLECTION

Ready and waiting









Photos by Steve Grilly

Its furniture in place, the Faculty Club is almost ready for its Aug. 30 debut with an open house from 2-5 p.m. for the University community. Top left and right are lounge areas; dining area at bottom right and exterior terrace at left.

Staff vacancies

Staff vacancies in this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in the INTERCOM may be found in the Penn State REPORTER. All University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network Line 475-1387). Applications for these staff vacancies will be received until 5 p.m., **Aug. 26, 1976. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

COLLEGE HEALTH NURSE, IN-PATIENT AND EMERGENCY ROOM, STUDENT AFFAIRS — University Park

Responsible to Head College Health Nurse, In-Patient and Emergency Room, for providing nursing service in the In-Patient Service Area and for the Emergency Room and assisting licensed physician and dentist in-patient care. Graduate of an accredited nursing program or its equivalent and current licensure in Pennsylvania as a registered nurse, plus six to nine months of directly related experience.

COUNSELOR, STUDENT AFFAIRS — University Park

Responsible for providing various services to individual students to enable them to effectively adjust to the University environment socially, personally and academically. A master's degree in sociology or counselor education is required. Over one year and up to and including two years experience in a directly related activity is necessary. This is a continuous ten month position.

SYSTEMS ANALYST — Hershey

Responsible to the Manager, Medical Computer Center, for implementing the payroll and accounting procedure for the College of Medicine with the various departments to determine their information requirements and operational needs. Bachelor's degree in accounting with knowledge of third generation programming language, plus four years of data processing experience.

SUPERVISOR, PHYSICAL PLANT MAINTENANCE AND OPERATIONS — Behrend

Responsible for the operation and maintenance of the Behrend College physical plant, including planning, supervision, purchasing, budget operations, employment, training, performance review, recommendations for alterations and improvements, and liaison with contractors engaged in new construction and alterations. Bachelor's degree in mechanical or electrical engineering, with two or three years of directly related experience, or associate degree or equivalent knowledge in allied building trades, plus six to eight years' effective experience.

STUDENT PERSONNEL ASSISTANT, COLLEGE OF EDUCATION — University Park

Responsible to the Director of Certification and Education Services for advising undergraduate students in the College of Education, for handling student problems and questions and for related administrative duties. Bachelor's degree in education and one to two years of teaching and counseling experience is required. Master's degree desirable.

UDIS nominations

Nominations and applications for the position of Director of the University Division of Instructional Services (UDIS) are now being sought by the Search Committee appointed by the Vice President for Undergraduate Studies.

The division has the responsibility for providing support services, both professional and technical, to University faculty and staff at all Campuses in a number of areas, including Instructional development, television, still and motion picture photography, graphics, course evaluation and classroom testing.

The director of UDIS is the division's chief administrative officer, in charge of a large professional staff and complex facilities, and is expected to provide leadership and effectively interact with faculty and academic program units to facilitate the application of the concepts and technologies of instructional development.

Candidates for this senior position should have several years of administrative and professional experience in instructional services. It is desirable that candidates be eligible for faculty appointment, with preferred qualifications including a doctorate in a field such as instructional technology, learning resources or educational psychology, and have recent college-level teaching experience and demonstrated success in introducing change within an academic setting.

Applications and nominations, from within as well as outside the University, should be accompanied by a resume of the candidate's academic and professional history and any other relevant data. Letters of recommendation or names of people who might be contacted for references should also be supplied.

The committee would appreciate receiving nominations and applications by no later than Oct. 1. All material relating to the position should be addressed to David W. Slickell, Chairman, UDIS Search Committee, Box A, Room 117 Old Main, University Park, Pa. 16802.

Funding sources

Call 865-1372 for further information

(238-1) Information about three new programs for **promotion of the humanities** has been announced by the National Endowment for the Humanities. They are: (1) Centers of Research, (2) Interpretive Museum Exhibitions and Infusion Programs, and (3) Research Materials. Through these programs, the Endowment wishes to assist scholarly research in the humanities as well as museum and historical organizations to "interpret for the people the knowledge of the nation's cultural legacy." (Ref. C/FOA 45.124/125/126).

(238-2) The Office of Education announced a **Teacher Exchange Grants program** to support seminar attendance in Belgium/Netherlands (art and history), Egypt (world/Middle Eastern history), Germany (German and German studies), India (world/Asian history), Italy (classics), and Pakistan (world/Asian history). The deadline period is Sept. 1 through Nov. 1 for the 1977-78 program (Ref. C&U Rept. 5-84, p. 3 & Per. 17,101).

(238-3) The NSF program **Comprehensive Assistance to Undergraduate Science Education** (CAUSE) has an Oct. 29 deadline. Guidelines have been ordered. The program contact number is 202-282-7735.

(238-4) The NSF program previously called Restructuring the Undergraduate Learning Environment (RULE) is now called **Local Courses Improvement Program** (LOCIP) and has an Oct. 15 deadline. Guidelines have been ordered. The program contact number is 202-282-7769.

(238-5) For information about the **NSF Cooperative Science Program in Latin America**, contact Dr. Eduardo Feller at 202-632-5811. This year's deadline is Oct. 15.

(238-6) The **Leukemia Society of America Inc.** supports a research grant program. The next deadline is Oct. 1. For information, call 212-573-8484.

PENN STATE intercom

Volume 5, Number 47 September 10, 1976

An internel communicatione medium tor the ecedemic community of The Pennsylvenie State University published weekly during the tour terms of the class schedule



SEAT OF KNOWLEDGE — Ready for fall term to begin!

News in brief

Faculty Club game plan

The Penn State Faculty Club will sponsor a bus to the Sept. 11 football game against Stanford. Brunch will be served at the club from 11 a.m. to 12:30 p.m., and the bus will leave for the game at 12:45 p.m., according to club manager Don Estridge. There are 44 seats on the bus, and reservations will be taken on a first come, first served basis at $5 apiece, a price which includes the brunch. The bus will return to the club after the game. Dinner will be served at the club from 5:30 to 8 p.m., and reservations are advised. Faculty and staff can make either dinner or bus reservations at 865-1962.

Mr. Estridge also notes that the club will serve brunch every Sunday from 11:30 a.m. to 2:30 p.m. and suggests reservations.

Duties realigned

A realignment of duties in the area of finance and operations, brought about by the retirement July 1 of the Vice President for Fiscal Affairs, William F. Christoffers, has been announced by Robert A. Patterson, senior vice president for finance and operations and treasurer of the University.

The position of Vice President for Fiscal Affairs will not be filled, and the responsibility for that office will now rest directly with the Treasurer, Mr. Patterson, and the Controller, S. A. Garban. The Office of Assistant Treasurer and Director of Financial Management headed by Richard H. Baker will carry out most of these operating responsibilities.

This is the third vice presidency which the University has collapsed in the last two years. The duties of the Vice President for University Relations were reassigned after the last occupant of that post, T. Reed Ferguson, retired in April 1975, and a new Vice President for Commonwealth Campuses was not named after the retirement of K. L. Holderman on June 30, 1974.

Choirs auditioning

The University Choirs are conducting auditions for a limited number of University staff and faculty members. Scheduled for performance in the coming academic year are Rachmaninoff's "The Bells" (with the Pittsburgh Symphony in Pittsburgh in February) and the Berlioz "Requiem" (in University Auditorium next May). For further information about the auditions, interested persons may call the University Choir office, 865-6346.

Children's art classes to begin

Art classes for teenagers and for children, ages 5 to 12, will begin at the University on Saturday, Sept. 18, and continue each Saturday throughout the fall term. Three courses are offered for children aged five to seven: Creative Arts for the Young, Arts and Crafts, and Drawing and Painting. For intermediates, aged eight to twelve, there are four courses: Exploring Sculpture, Drawing and Painting, The Arts in Action, and Photography as Art. For teenagers, studio workshops will be offered in pottery, printmaking, weaving, and in drawing and painting. Registration for these courses may be made Monday through Friday from 1 to 5 p.m. at 865-5601 or in Room 270 Chambers Bldg.

Terrace Room birthday party

The HUB Terrace Room is celebreting its first birthday with two special dinners from 4:45 to 7 p.m. on Friday and Saturday, Sept. 10 and 11. The menu features seafood newberg with rice, prime rib of beef, grilled ham steak with spiced peach, chicken Maryland style, stuffed pork bird and roast leg of veal with herb glaze.

Anyone wishing to learn what's on the regular daily luncheon and dinner menu at the Terrace Room can find out by calling the HUB's new Dial-A-Menu service at 865-1516.

Ford resigns as dean

Dr. Donald H. Ford, dean of the College of Human Development, will relinquish his responsibilities as dean, effective Sept. 1, 1977, to devote full time to teaching and research.

He assumed the position of dean in 1967, shortly after the conversion of the College of Home Economics into the College of Human Development.

In informing the faculty of the College of his decision, Dean Ford explained that "it is always hard to make such a change and to decide when it is appropriate to do so. This seems to me a particularly appropriate time," he said. "I believe this College is solidly established and growing in productivity, quality and national stature."

Dean Ford also expressed his appreciation to his faculty and administrative colleagues, both within the College and in the Office of the President.

In accepting the resignation of Dean Ford, President Oswald said he did so with regret. He said that during the ten

(Continued on page six)

Faculty Senate report

Growing concern over burglaries

The Senate Committee on External Affairs, in an informational report prepared for the Sept. 14 Senate meeting, notes a growing concern among faculty about increased numbers of burglaries in the Centre Region.

Pointing out that a majority of the breakins occur when faculty members are out of town, the Committee said one means of protection, to some extent, would be omission from the news media of dates when faculty members are going to be away.

The Committee, chaired by Ernest L. Bergman, urges all faculty and staff members to cooperate with a new policy under which the Department of Public Information will report all such activities of faculty and staff members after the fact as a means of helping avoid this problem.

The committee report also suggests that faculty and staff members planning to be away for a long period of time should notify their police department.

In its report, the Committee cites statistics on residential burglaries in the Centre Region provided by State College Police and the Pennsylvania State Police.

According to the figures, there were 287 residential burglaries in 1975, including 163 in State College and College Township; 35 in Ferguson Township; 50 in Harris Township; and 39 in Patton Township. Total loss was estimated at $138,574.

A total of 95 burglaries occurred between 6 p.m. and 6 a.m.; 67 between 6 a.m. and 6 p.m.; and 125 at undetermined times.

It was reported that Central Pennsylvania, including Centre County, had 19.3 percent of the reported burglaries solved.

The highest frequency of burglaries in the Centre Region was in December and January, and the lowest in April through June.

Senate meetings set

The University Faculty Senate has issued the following revised timetable of Senate Council and Senate meetings:

Senate Meeting	Senate Council
Sept. 14, 1976	Sept. 28, 1976
Oct. 12, 1976	Oct. 26, 1976
Nov. 9, 1976	Nov. 23, 1976
Dec. 7, 1976	Dec. 14, 1976
Jan. 4, 1977	Jan. 18, 1977
Feb. 1, 1977	Feb. 15, 1977
Mar 1, 1977	Mar. 22, 1977
Apr. 5, 1977	Apr. 19, 1977
May 3, 1977	May 24, 1977
June 7, 1977	

Coyle outlines issues for action

Senate Chairman John J. Coyle is urging this year's Senate to get an early start on its problems.

In pursuit of this goal, Senate committee chairmen have already held one brainstorming session to try and identify the major issues ahead.

"We're hoping that if we target our most important problems now, we won't come down to the wire in May with such a heavy docket," Dr. Coyle explains.

To minimize the time newly elected senators need to familiarize themselves with the structure and functions of the Senate, a new Senators Workshop will be held for the first time on Monday, Sept. 13. Both student and faculty senators will participate.

Dr. Coyle also hopes the Senate will take a hard look at the cost of implementing any changes resulting from legislation it has passed.

"In the past," he notes, "we have been criticized for the paperwork and contusion caused by some of our legislation."

Communication ranks high on Dr. Coyle's list of priorities, and he promises "a super effort" to keep the entire University community informed of Senate activities. He feels good progress has been made in coordinating the work of paralleling Senate and University administration committees and hopes to continue efforts in this direction.

Some of the more important issues coming up for Senate action this year, according to Dr. Coyle, are:

—A mandated review of the governance report.

—A mandated review of the Basic Degree Requirements (BDRII).

—Remedial education.

—Student mobility among majors.

—Graduate School input into 400-level courses.

—Delegation of authority to various units of the University such as the Commonwealth Campuses. Should they, for example, have complete responsibility for all associate degree programs and some non-credit activities?

—The duties of part-time faculty members.

—An information report on the climate for research at Penn State.

—The effectiveness of student evaluations of teaching.

—Recognition of outstanding teaching and advising.

—Review and evaluation of admissions policies.

Dias Gomes, Laurence in residence

Alfredo Dias Gomes, Brazil's most prominent playwright, and Dan H. Laurence, official bibliographer of the George Bernard Shaw estate, are serving as Visiting Fellows at the Institute for the Arts and Humanistic Studies during fall term.

Mr. Dias Gomes, who will participate in courses in theater, Spanish and Portuguese, will be the featured speaker at a symposium in October on "Theater in Latin America."

Mr. Dias Gomes's play, "The Cradle of the Hero," will be produced during the symposium by the Department of Theater and Film under the direction of Manuel Duque, and a film based on his play "O Pagador de Promessas" will be shown. The picture won a gold medal at the Cannes Film Festival.

Born in Salvador in 1922, Mr. Dias Gomes penned his first drama when he was 15, winning the national service prize for the theater.

Mr. Laurence, one of the few scholars to be named a Guggenheim Fellow three times, is the co-author of a comprehensive biography of Henry James and has edited a number of volumes of Shaw's collected plays and letters.

He was professor of English at New York University until 1970 when he resigned to concentrate on Shavian scholarship.

He will be available for consultation with faculty and students and will teach a seminar on Shaw (English 578) and a course on 19th century comic writing from Pickwick to Earnest (English 498).

PENN STATE COLLECTION

Faculty notes

Dr. Helen A. Guthrie, professor of nutrition and head of the nutrition program in Human Development, has been named president-elect of the Society for Nutrition Education. Dr. Guthrie will be installed as president for a one-year term at the group's annual meeting next June in Minneapolis, Minn. The 4,000-member society, founded in 1970, is made up of nutritionists and persons in health-related fields interested in nutrition education.

Dr. Duane R. Smith and **Dr. Melvin H. Wolf** have been named associate deans at Capitol Campus. Dr. Smith, associate professor of education, is the new associate dean for academic affairs. Dr. Wolf, professor of humanities and English, is associate dean for research. Dr. Smith joined the Campus in 1969 and holds a doctorate in elementary education from the University of Pittsburgh. Dr. Wolf received his doctorate from the University of Michigan. He joined Capitol Campus in 1968.

Faculty members from the Sociology Department participated in two national meetings in New York City last month. At a meeting of the Society for the Study of Social Problems, **Craig R. Humphrey**, assistant professor, led a roundtable discussion on population, values and environmental problems.

Prof. David Westby served on a panel discussing "An Anarchist Critique of Organization Theory in Academic Sociology," and **Richard J. Bord**, assistant professor, and **John Kennedy**, graduate student, presented a paper on "Societal Recreation and Mental Illness: A Social-Psychological Critique."

Four other members of the department attended the American Sociology Association meetings. **Prof. Gordon F. DeJong** presented a paper on "Residential Preferences and Migration Behavior" and participated on a panel discussing "Population Redistribution Policy for the United States." **Prof. Roy C. Buck** presented a paper titled "The Impact of Tourism on Amish Community Integration: Boundary Maintenance Revisited." Prof. Westby chaired a session on theory and read a paper on "From Prussia to Yenan: A Comparison of the Modern Western and the Maoist Views on Inter-Organizational Relations." **Edward J. Walsh**, assistant professor, read his paper, "Mobilization Theory vis-a-vis a Mobilization Process: The Case of the United Farm Workers' Movement."

Dr. John M. Stevens, assistant professor of public administration, received the award for the best dissertation-based paper delivered at the national meeting of the Academy of Management's Organizational Behavior Division last month in Kansas City, Mo. His paper, "Managerial Commitment: A Multi-Variate and Path Analytic Approach," received a $100 prize.

Dr. Donald G. James, professor of mathematics, and **Dr. William Waterhouse** and **Dr. Roger P. Ware**, associate professors of mathematics, were invited speakers at the Conference on Quadratic Forms at Queen's University in Kingston, Ontario, last month.

Three members of the geography faculty participated recently in the 23rd International Geographical Congress, held in conjunction with the 14th general assembly of the International Geographical Union, and in pre-Congress symposiums in Moscow, USSR. **Dr. Ronald Abler**, associate professor, presented a paper, "The Purpose and Design of the Comparative Atlas of America's Twenty Largest Metropolitan Regions." **Dr. Allan Rodgers**, professor of geography, discussed "Industrialization and Tidewater: The Case Study of the Italian Mezzogiorno." **Dr. E. Willard Miller**, professor of geography and associate dean for resident instruction in the College of Earth and Mineral Sciences, gave a paper, "Spatial Dynamics and Diversification of United States Manufacturing, 1958-1972." Dr. Miller also participated in a two-week post-Congress field excursion which extended from Moscow to Yalta.

Dr. Joseph M. Lambert, assistant professor of mathematics at Berks, gave a colloquium at the University of Tennessee last month. His topic was "The dual of the Klee space does not have property '0'."



Dr. William M. Smith Jr. will retire Sept 30, leaving his position as professor of rural sociology in the College of Agriculture after 29 years with the University.

Dr. Smith joined the faculty in 1947 as associate professor of home economics in the College of Education and was promoted to professor of family relationships in 1950 when the College of Home Economics was established. He was named professor of agriculture extension and State 4-H Club leader in 1959, assistant director for family, youth and community development for the Cooperative Extension Service in 1962, and professor of rural sociology in 1969.

The Norwalk, Ohio native received his B.S. from Ohio State and his master's and doctorate from Cornell. Dr. Smith received three post-doctoral fellowships: a Grant Foundation Fellowship in Marriage and Family Counseling at the Merrill-Palmer Institute in 1954-55; a Fulbright Lectureship to the Netherlands in 1964-65; and a Distinguished Foreign Professor Fellowship from the Agricultural University of The Netherlands in 1973-74.

He was chairman of the University Faculty Senate in 1970-71, and was chairman of the Graduate School Committee on Student Affairs. Dr. Smith established eight courses related to marriage and the family and helped develop courses in adult development and aging, leadership and poverty.

Dr. Heinz K. Henisch, professor of the history of photography, is editor of the new academic journal, History of Photography, which will be published by Taylor and Francis, Ltd., of London, beginning in January 1977. The first of its kind, the journal will be devoted to original research and new findings in the history of photography.

Dr. Willard M. Martin, assistant professor of German, presented a paper on "Pennsylvania German Culture" at the annual meeting of the Association of Teachers of German in Cherry Hill, N.J., last month.

Benjamin F. Morgan, professor of animal science extension, has been named an honorary fellow of the American Society of Animal Science. Prof. Morgan received his plaque, citing him for outstanding contributions to the nation's livestock industry, at the society's annual meeting last month at Texas A & M University.

Alice M. Hoffman, associate professor of labor studies at King of Prussia, is serving as a consultant for the National Endowment for the Humanities' Division of Research Grants.

Joseph C. P. Cotter, instructor in classics, was the recipient of the Class of 1933 Award for Outstanding Contributions in the Field of Humanities. The award, consisting of a plaque and $300, was presented at Summer Term Commencement exercises. Mr. Cotter, who joined the Penn State faculty in 1966, is a graduate of Dartmouth College with a B.A. in Latin. His M.A. in classical philology was conferred by Harvard, and he held a Fulbright Fellowship in 1962-63 at the University of Rome. In his selection for the award, he was commended for having "stirred and motivated students for more than a decade" in Greek and Latin poetry and prose, literature in translation, sculpture and pottery, esthetics and archaeology.

Dr. S. M. Farouq Ali, professor of petroleum and natural gas engineering, at the invitation of the government of Venezuela, discussed heavy oil recovery and its economics, reservoir simulation, advances in simulation, and oil recovery from tar sands at the Universirty of Zulia, Central University, and the University of Oriente, the three major Venezuelan universities.

Faculty members from the Department of Statistics participated in three national meetings last month. **Dr. William L. Harkness**, professor and head of the department, presented an invited paper, "Statistics, Society and Infant Mortality," at the Institute of Mathematical Statistics (IMS) held at Yale University. Also contributing papers at the IMS meeting were **Dr. G. P. Patil**, professor of mathematical statistics; **Dr. Steven Arnold**, assistant professor of statistics; and visiting faculty members, **Dr. Adrienne W. Kemp** and **Dr. C. David Kemp**, of the University of Bradford, England. Dr. Patil was also invited to present papers at the American Statistical Association (ASA) annual meeting and the International Biometric Society (IBS) meeting in Boston, Mass. Also scheduled to present papers at the ASA meeting were **Dr. Thomas A. Ryan** and **Dr. Thomas P. Hettmansperger**, both associate professors of statistics.

Dr. Samuel H. Levine, professor of nuclear engineering and director of the Breazeale Nuclear Reactor, has been awarded a Lady Davis Fellowship as visiting professor in the Department of Nuclear Engineering at the Technion — Israel Institute of Technology — for 10 months, commencing Oct. 1.

Dr. Charles L. Newman, professor and coordinator of law enforcement and corrections services, has been appointed to the Corrections Advisory Committee of the National Institute of Law Enforcement and Criminal Justice. The Committee is responsible for review of corrections research priorities to be funded by the Law Enforcement Assistance Administration.

Extension directors **John L. Rosenberger** of Juniata County, **Garner P. Mitchell** of Potter County and **Herbert C. Terndrup** of Cambria County received distinguished service awards at the annual meeting of the National Association of County Agricultural Agents in Richmond, Va., last month for "outstanding educational contributions to Pennsylvania agriculture." **Alan H. Michaef**, associate Allegeny County Extension agent, received the 1976 State Achievement Award at the same conference.

In print

Dr. Laxman N. Mulay, professor of solid state science, is co-author with Dr. E. A. Boudreaux, of the University of New Orleans, of the book, "Theory and Application of Molecular Diamagnetism," published by John Wiley & Sons, Inc., New York, N.Y. A member of the Penn State faculty since 1963, Dr. Mulay holds the B.S., M.S. and Ph.D. degrees from the University of Bombay. He is the author, also, of "Magnetic Susceptibility."

Paul T. Baker, professor of anthropology, is co-editor of a book, "Man in the Andes: A Multidisciplinary Study of High-Altitude Quechua," published this year by Dowden, Hutchinson & Ross, Inc. Dr. Baker wrote two chapters, "Evolution of a Project: Theory, Method and Sampling" and "Work Performance of Highland Natives," and co-authored a chapter entitled "Environmental Adaptations and Perspectives." Other anthropology faculty members who wrote chapters for the book were Instructor **Thelma S. Baker**, author of "Child Care, Child Growth and Environment," and **Gabriel M. Escobar**, associate professor, who wrote "Social and Political Structure of Nunoa."

To fill the void that has developed in the availability of textbook and reference materials that explain relationships between the fundamentals of physics and the peculiar phenomena associated with spacecraft, **Dr. Marshall H. Kaplan**, associate professor of aerospace engineering, has written "Modern Spacecraft Dynamics and Control." Published by John Wiley & Sons, New York, N.Y., Dr. Kaplan's book links contemporary spacecraft maneuvering and control techniques with associated physical fundamentals and is structured for students at the senior and graduate engineering levels and practicing engineers.

Ernest F. Haeussler, assistant professor of mathematics, and **Richard S. Paul**, associate professor of mathematics, have authored a second edition of their text book, "Introductory Mathematical Analysis For Students of Business and Economics." Both men are at the Hazleton Campus. The 769-page book provides a mathematical foundation, including calculus and matrix algebra, for students enrolled in business and economics curricula. Some topics that have been added to the second edition are multiple integration, the adjoint and finding inverses with the adjoint, input-output analysis, and the simplex method. Reston Publishing Co., Inc., a division of Prentice-Hall, is the publisher.

Obituaries

Preston D. Peightal, instructor of history at Behrend College, died Aug. 9. He was born Oct. 3, 1924, at Philipsburg and earned his B.A. and M.A. in history at Penn State. He taught at Hazleton Campus before joining the Behrend faculty 14 years ago. He was a member of Phi Beta Kappa, Phi Kappa Phi and Pi Gamma Mu. Mr. Peightal, a veteran of World War II, was awarded the Silver Star and Purple Heart for his service.

Natalie U. Gray, instructor of chemistry with Continuing Education at Ogontz Campus, died Aug. 17. She was born June 23, 1928, and received her B.S. in chemistry at Penn State in 1950 and her M.S., also in chemistry, from St. Joseph's College, Philadelphia, in 1971. Mrs. Gray was appointed a part-time nursing instructor with Continuing Education in 1961 and became full time in 1965. She taught mainly at Philadelphia and suburban area hospitals.

Appointments

Theodore R. Alter as assistant professor of agricultural economics and rural sociology, B.A., U. of Rochester; M.S. and Ph.D., Michigan State U.

Robert E. Andreyka as professor of vocational education, B.S., M.Ed and Ph.D., Kent State U. Former program leader of vocational education and associate professor at Florida State U.

Steven F. Arnold as assistant professor of statistics, B.A., Knox College; M.S. and Ph.D., Stanford U. Former assistant professor at Lawrence U.

Dr. Sheldon Baum as associate professor of radiology at Hershey, B.S., George Town U.; M.D., U. of Pennsylvania. Former associate professor at New York Medical College and director of radiology at Flower and Fifth Avenue Hospital.

Alegria Bendetac as assistant professor of French at Schuylkill. B.A., French Lycee Tanglers; P.C.B., U. of Bordeaux; Ph.D., Columbia U. Former assistant professor at Fordham U.

Clarence H. Collison as assistant professor of entomology extension. B.S., M.Sc. and Ph.D., Michigan State U. Former instructor at Michigan State U.

Dr. Stephen L. Curry as assistant professor of obstetrics and gynecology at Hershey. B.A., Syracuse U.; M.S., SUNY (Syracuse). Formerly a fellow in gynecological oncology at U. of Texas Medical Center.

Mary Grace D'Alessio as head librarian at McKeesport. B.A. and M.L.S., U. of Pittsburgh; M.S. candidate at West Virginia College of Graduate Studies. Former technical services librarian at Concord College.

Victoria J. D'Ambrocia as assistant professor of nursing at Behrend College. B.N.S., Kent State U.; M.S.N., U. of Kentucky. Former Pediatric Head Nurse at Timken-Mercy Hospital.

Walter H. Detashmit Jr. as research assistant in engineering. B.S., Christian Brothers College; M.S., U. of Tennessee. Served as a senior engineer with Martin Marietta Aerospace.

Jonathan G. Dickson as assistant professor of economics. B.A., Harvard U.; M.A. and Ph.D., U. of Michigan. Former project associate in research on labor studies at U. of Wisconsin.

(Continued on page five)

Fall Term 1976 Calendar

The Pennsylvania State University

WEEK OF SEPTEMBER 6

Friday, Sept. 10
Sports: Soccer, vs. Lock Haven, 7 p.m.
Artists Series film, "North by Northwest," 8 p.m., University Auditorium.
GSA Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, Sept. 11
Sports: Football, vs Stanford, 1:30 p.m.

Sunday, Sept. 12
Chapel Service, 11 a.m., Eisenhower Chapel. Donald F. Helzler, director, National Lutheran Ministry, Chicago.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Pastor Gerald G. Loyd.
Opening reception for Recent Works by Stephen Porter, 3-5 p.m., Museum of Art.

WEEK OF SEPTEMBER 13

Monday, Sept. 13
Bridge Club, 6:30 p.m., Room 301 HUB.
France Cinema, "Cleo from 5 to 7," 7 and 9 p.m., Room 112 Kern.
GSA Workshop on Medical Insurance, 7 p.m., Room 101 Kern.

Tuesday, Sept. 14
College of Agriculture faculty meeting, 4 p.m., Rooms 301 A & B, Ag. Adm. Bldg.
Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
Fixed date for meetings involving Commonwealth Campus Faculty.
Gallery Talk, Dr. Robert Ott "Teaching in Museums," 10:30 a.m., Museum of Art.
English Colloquium, 8 p.m., Room 101 Kern. Thomas Rogers, "Work in Progress."
Colloquy program, Dick Clark, American Bandstand, on the history of rock and roll, 8 p.m., University Auditorium.

Wednesday, Sept. 15
Penn State Amateur Radio Club, 7:30 p.m., HUB assembly room. Organizational meeting.
Penn State Chess Club, 7 p.m., HUB gameroom.
GSA Commonsplace Theatre, "M," 7:30 and 9:30 p.m., Room 112 Kern.

Thursday, Sept. 16
Add deadline.

Friday, Sept. 17
Sports: Soccer, vs. Trenton State, 7 p.m.



GSA Coffeehouse, 8 p.m., Room 102 Kern.
Artists Series, Leonard Raver, organ, 8:30 p.m., University Auditorium.
International film, Chinese, 8 p.m., Room 112 Kern.

Saturday, Sept. 18
Sports: Football, vs. Ohio State, 3:20 p.m.

Sunday, Sept. 19
Chapel Service, 11 a.m., Eisenhower Chapel. Robert Boyer, Campus Minister, United Campus Ministry
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Rev. Yaw A. Awusu, State College.
Free U. Fall Term registration, 1-9 p.m., HUB ballroom.

WEEK OF SEPTEMBER 20

Monday, Sept. 20
Color Slide Club, 7:30 p.m., Room 112 Kern.
Robert Trehy, baritone, 8:30 p.m., Music Bldg. recital hall.
Opening reception, New Faculty Exhibition, 7:30 p.m., Zoller Gallery.



Bridge Club, 6:30 p.m., Room 301 HUB.

Tuesday, Sept. 21
GSA Council meeting, 7 p.m., Room 101 Kern.
Artists Series Hitchcock film festival, "The Lodger," and "Easy Virtue," 8 p.m., University Auditorium.
Comp Lit Luncheon, 12:15 p.m., Faculty Club.

Wednesday, Sept. 22
Five O'Clock Theatre, 5 p.m., Pavilion Theatre.
Chess Club, 7 p.m., HUB gameroom.
GSA Commonsplace Theatre, "Fury," 7:30 and 9:30 p.m., Room 112 Kern.
Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.

Thursday, Sept. 23
Five O'Clock Theatre, 5 p.m., Pavilion Theatre.
Political Science lecture, Nicholas F. Parkman, Ambassador from Australia, 8 p.m., Room 112 Kern.
English Colloquium, 8 p.m., Room 101 Kern. Michael Holroyd, "Adventures of a Biographer."
File for Pass/Fail.

Friday, Sept. 24
File for Pass/Fail.
Sports: Soccer, vs. Hartwick, 7 p.m.
Five O'Clock Theatre, 7 p.m., Pavilion Theatre.
GSA Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, Sept. 25
Sports: Men's cross country, vs. Villanova; football, vs. Iowa, 1:30 p.m.

Sunday, Sept. 26
Sports: Cross country, Lady Lion Invitational, 1 p.m.
Chapel Service, 11 a.m., Eisenhower Chapel. Helen Wise, Trustee, Penn State.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Pastor Gerald G. Loyd.
Valerie Ferrone, violin, 3:30 p.m., Music Bldg. recital hall.
Artists Series, "Equus," University Auditorium. Matinee at 3 p.m., evening performance at 8:30 p.m.

WEEK OF SEPTEMBER 27

Monday, Sept. 27
File for Pass/Fail.
Drop deadline.
Bridge Club, 6:30 p.m., Room 301 HUB.
Course repeat deadline.
Preregistration deadline.
France Cinema, "Hiroshime mon Amour," 7 and 9 p.m., Room 112 Kern.
Opening reception, Graduate Student Exhibition, 7:30 p.m., Zoller Gallery.

Tuesday, Sept. 28
Comp Lit Luncheon, 12:15 p.m., Faculty Club.

Wednesday, Sept. 29
Faculty Women's and Newcomers Clubs Fall Reception, 7:30 p.m., Kern.
Artists Series Truffaut film festival, "The 400 Blows," 8 p.m., University Auditorium.



Chess Club, 7 p.m., HUB gameroom.
GSA Commonsplace Theatre, "The Big Heat," 7:30 and 9:30 p.m., Room 112 Kern.

Thursday, Sept. 30
GSA Commonsplace Theatre, "The Big Heat," 7:00 and 9:30 p.m., Room 112 Kern.
Women in Communications, Inc., 7 p.m., HUB assembly room. Speakers: Lynn Haskin, Don Haskin, and Barb Hass.

Friday, Oct. 1
Sports: Soccer, vs. West Virginia, 7 p.m.
Fixed date for meetings involving commonwealth Campus Faculty.
Artists Series, Gery Karr, double bass, 8:30 p.m., Schwab.
GSA Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, Oct. 2
Fixed date for meetings involving Commonwealth Campus Faculty.

Sunday, Oct. 3
Chapel Service, 11 a.m., Music Bldg. recital hall. "Re-Creation," (musical group, Penn State).
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Elder Joseph Garlington, Pittsburgh.

WEEK OF OCTOBER 4

Monday, Oct. 4
Bridge Club, 6:30 p.m., Room 301 HUB.
France Cinema, "My Night at Maud's," 7 and 9 p.m., Room 112 Kern.

Tuesday, Oct. 5
Gallery Talk, Jeffrey Wortman, "Antwerp Drawings and Prints from the 16th and 17th Centuries," 10:30 a.m., Museum of Art.
Sports: Women's field hockey, vs. Bucknell, 3 p.m.
Comp Lit Luncheon, 12:15 p.m., Faculty Club.
Women in Communications, Inc., 7 p.m., Room 324 HUB.

Wednesday, Oct. 6
GSA Commonsplace Theatre, "The House of Usher," 7:30 and 9:30 p.m., Room 112 Kern.
Artists Series Truffaut film festival, "Shoot the Piano Player," 8 p.m., University Auditorium.
Thalia Trio, 8:30 p.m., Music Bldg. recital hall.
Chess Club, 7 p.m., HUB gameroom.

Thursday, Oct. 7
Sports: Women's tennis, vs. William & Mary, 11 a.m.
University Theatre, "Scapino," 7:30 p.m., Pavilion Theatre.
University Readers, 8 p.m., Room 112 Kern.

Friday, Oct. 8
Sports: Soccer, vs. Army, 7 p.m.
University Theatre, "Scapino," 7:30 p.m., Pavilion Theatre.
GSA Coffeehouse, 8 p.m., Room 102 Kern.
University Readers, 8 p.m., Room 112 Kern.
Campus 4-H Club, Square Dance, 7:30 p.m., HUB ballroom.

Saturday, Oct. 9
University Theatre, "Scapino," 7:30 p.m., Pavilion Theatre.
Sports: Football, vs. Army, 1:30 p.m.



Sunday, Oct. 10
Sports: Women's cross country, vs. Pittsburgh, Maryland, 1 p.m.
University Theatre, "Scapino," matinee 2 p.m., Pavilion Theatre.
Chapel Service,11 a.m., Eisenhower Chapel. Charles L. Coleman, program director, Religious Affairs.
Black Christian Fellowship worship service, 11.15 a.m. Eisenhower Chapel. Pastor Gerald G. Loyd.
Artists Series, "Naughty Marietta," 8:30 p.m., University Auditorium.

WEEK OF OCTOBER 11

Monday, Oct. 11
Bridge Club, 6:30 p.m., Room 301 HUB.

Tuesday, Oct. 12
Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
Sports: Soccer, vs. Bucknell, 7 p.m.
Comp Lit Luncheon, 12:15 p.m., Faculty Club.
Fixed date for meetings involving Commonwealth Campus Faculty

Exhibits

Museum of Art:
Hours for the Museum of Art are noon-5 p.m. Tuesday through Sunday.
Through Sept. 26: American Paintings and Furniture from the Permanent Collection, Gallery A.
Through Oct. 10: Selections from the Permanent Collection, Gallery B.
Sept. 12-Oct. 31: Recent Work by Stephen Porter, Gallery C.
Oct. 3-Nov. 7: Antwerp Drawings from the 16th and 17th Centuries.
Oct. 31-Dec. 22: Twenty-Four British Potters; Recent Accessions: Chinese Works of Art, gift of Dr. Ralph C. Marcove, and Japanese Prints, gift of Willlem E. Harkins, Gallery B.
Nov. 14-Jan. 16: Earlier European Works of Art from the Permanent Collection, Gallery C.
Nov. 14-Dec. 22: Architectural Exhibit from the firm of Herbison-Hough-Livingston-Larson, Architects.

Museum of Art — HUB Gallery:
Through Oct. 17: Selections from the Permanent Collection.
Oct. 21-Nov. 7: "Super Mud" Women's Exhibil.

Zoller Gallery:
Through Sept. 12: M.F.A. Show, Robert Frizzell, Paintings.
Sept. 14-Sept. 22: Exhibition by new faculty members of the Dept. of Art.
Sept. 25-Oct. 3: Graduate Student Exhibition.
Oct. 20-Nov. 3: "Super Mud" Student Invitational.
Nov. 6-Nov. 15: Work by Edward Adams.

Hetzel Union Building Gallery:
Through Sept. 25: Joanne Gigliottl-Vellli, Exhibit of Batiks & Prints.
Through Sept. 25: Laveta Butler, Exhibit of Ceramics.
Through Sept. 25: Ralph Praesent, Graphics.
Through Sept. 25: Dick Brown, Sports Photography.

Kern Bldg., Gallery 1:
Through Sept. 31: Paul Kearney, Drewings.
Through Sept. 10: Waskewich Galleries, Prints.
Sept. 11-Sept. 25: Dale Wagner, Grephics.
Sept. 26-Oct. 16: Renaissence Group Exhibitions, Multi-Medle.
Oct. 17-Oct. 30: Senior Citizens' Exhibition.
Oct. 31-Nov. 13: Canadian Art.

Kern Bldg., Gallery 2:
Sept. 12-Oct. 2: Judi Kellas, Prints.
Oct. 3-Oct. 16: Louis Grossman, Photography.
Oct. 17-Nov. 6: Sandra Leitsinger, Watercolors.
Nov. 7-Nov. 20: Ed Leos, Child Photography.

Kern Bldg., Display Cases:
Through Sept. 25: Group Exhibit, Students in Ceramics.
Sept. 26-Oct. 16: Renaissance Group Exhibition.
Oct. 2-Oct. 16: Stephen Gerhart, Jewelry.
Oct. 17-Oct. 31: Grace Pilato, Porcelain.
Nov. 1-Nov. 30: Jack Troy, Pottery.



GSA Council meeting, 7 p.m., Room 101 Kern.
English Colloquium, 8 p.m., Room 112 Kern. Isaac Bashevis Singer "Folklore and Literature.
University Theatre, "Scapino," 7:30 p.m., Pavilion Theatre.

Wednesday, Oct. 13

GSA Commonspace Theatre, "The Pit and the Pendulum," 7:30 and 9:30 p.m., Room 112 Kern.
University Theatre, "Scapino," 7:30 p.m., Pavilion Theatre.
Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.
Chess Club, 7 p.m., HUB gameroom.
Women in Communications, Inc., 7 p.m., Room 225 HUB.

Thursday, Oct. 14

College of Engineering, Industrial and Professional Advisory Council annual meeting, 8:30 a.m., Room 112 Kern.
Education Reference Materials Seminar, 7 p.m., Room W 110 Pattee Library.
University Theatre, "Scapino," 7:30 p.m., Pavilion Theatre.

Friday, Oct. 15

Sports: Junior Varsity football, vs. Nassau Community College, 2 p.m. Soccer, vs. Maryland, 7 p.m.
University Theatre, "Scapino," 7:30 p.m., Pavilion Theatre.
Pawel Checinski, piano, 8:30 p.m., Music Bldg. recital hall.
GSA Coffeehouse, 8 p.m., Room 102 Kern.
Bridge Club, 7:30 p.m., Room 301 HUB.
The Fred Waring Show, 8:30 p.m., University Auditorium.

Saturday, Oct. 16

Sports: Men's cross country, Penn State Open; football, vs. Syracuse, 1:30 p.m., (Homecoming); women's field hockey, vs. Cortland, 10 a.m.
Penn State Glee Club, Homecoming Concert, 7:30 p.m., University Auditorium.
University Theatre, "Scapino," Pavilion Theatre, matinee at 2 p.m., evening performance at 7:30 p.m.

Sunday, Oct. 17

Chapel Service, 11 a.m., Music Bldg. recital hall. Nelson Frank, former Pastor, St. Paul's Methodist Church.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Elder Harold McKenzie, State College.
Artists Series, Stars of the American Ballet, with Violete Verdy and Peter Martins, 8:30 p.m., University Auditorium.

WEEK OF OCTOBER 18

Monday, Oct. 18

Color Slide Club, 7:30 p.m., Room 112 Kern.
Sociology Reference Materials Seminar, 7 p.m., Room W 110 Pattee Library.
Bridge Club, 6:30 p.m., Room 301 HUB.

Tuesday, Oct. 19

Comp Lit Luncheon, 12:15 p.m., Faculty Club.
Sports, Soccer, vs. East Stroudsburg, 7 p.m.; women's field hockey, vs. Slippery Rock, 3 p.m.

Wednesday, Oct. 20

Faculty Women's Club, Lecture Series, 1:30 p.m., Memorial Lounge, Eisenhower Chapel.
Chess Club, 7 p.m., HUB gameroom.
Central Pa. Society of the Archaeological Inst. of America, 8 p.m., Room 101 Kern. Richard Diehl, Univ. of Missouri, "Recent Excavations at Tula (Mexico)."
Term Paper Workshop, 7 p.m., Room W 110 Pattee Library.
GSA Commonspace Theatre, "The Raven," 7:30 and 9:30 p.m., Room 112 Kern.
Musica da Camera, 8:30 p.m., Music Bldg. recital hall.

Thursday, Oct. 21

Psychology Reference Materials Seminar, 7 p.m., Room W 110 Pattee Library.
Tenth Annual Super Mud Conference.

Friday, Oct. 22

Tenth Annual Super Mud Conference.
GSA Coffeehouse, 8 p.m., Room 102 Kern.
Penn State Wind Ensemble and Penn State Brass Chorale, 8:30 p.m., Music Bldg. recital hall.

Saturday, Oct. 23

Sports. Men's cross country, vs. Georgetown and William & Mary; women's tennis, vs. Pennsylvania, 10:30 a.m.
Tenth Annual Super Mud Conference.
Artists Series, Martial Arts of Kabuki, 8:30 p.m., University Auditorium.

Sunday, Oct. 24

Chapel Service, 11 a.m., Eisenhower Chapel. Paul S. Minear, Winkley Professor of Biblical Theology Emeritus, Yale University.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Elder John Loyd, State College.

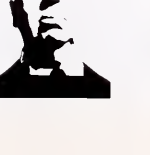
WEEK OF OCTOBER 25

Monday, Oct. 25

First day for signing Winter Term NDSL and University Long Term Loans, Room 108 Shields.
Bridge Club, 6:30 p.m., Room 301 HUB.

Tuesday, Oct. 26

Comp Lit Luncheon, 12:15 p.m., Faculty Club.
English Colloquium, 8 p.m., Room 101 Kern. Philip Young "Courtesan of the American Revolution: Margaret Moncreffe."
Artists Series Hitchcock film festival, "Blackmail," 8 p.m., University Auditorium.



Wednesday, Oct. 27

GSA Commonspace Theatre, "The Masque of the Red Death," 7:30 and 9:30 p.m., Room 112 Kern. e
Raymond Brown, bass-baritone, 8:30 p.m., Music Bldg. recital hall.
Nelson W. Taylor Lecture in Materials Science, 4 p.m., Room 112 Kern. Dr. J. A. Duffie on "The Prospect for Solar Heating in the United States."

Thursday, Oct. 28

University Theatre, "Cradle of the Hero," 8 p.m., Playhouse Theatre.
Spanish Department, "The Theatre of Latin America: A Symposium," 8 p.m., Room 112 Kern.
Nelson W. Taylor Lecture in Materials Science, 4 p.m., Room 112 Kern. Dr. J. A. Duffie on "Keys to Solar Energy Applications: Materials, Performance, and Costs."

Friday, Oct. 29

Sports: Junior varsity football, vs. Indiana (Pa.), 2 p.m.; soccer, vs. Shippensburg, 7 p.m.
University Theatre, "Cradle of the Hero," 8 p.m., Playhouse Theatre.
GSA Coffeehouse, 8 p.m., Room 102 Kern.
Spanish Department, "The Theatre of Latin America: A Symposium," 7:30 p.m., Room 112 Kern.
Artists Series, Philobolus Dance Theatre, 8:30 p.m., University Auditorium.

Saturday, Oct. 30

Sports. Women's field hockey, vs. Ursinus, 1:30 p.m.
Spanish Department, "The Theatre of Latin Americe: A Symposium," 8 a.m., Room 112 Kern.
University Theatre, "Cradle of the Hero," 8 p.m., Playhouse Theatre.

Sunday, Oct. 31

Chapel Service, 11 a.m., Eisenhower Chapel. Theodore J. Weeden, St. Bernard Seminary, Rochester.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Pastor Gerald G. Loyd.

WEEK OF NOVEMBER 1

Monday, Nov. 1

Last day for signing Fall Term NDSL and University Long Term Loans, Room 108 Shields.
Late drop deadline.
Bridge Club, 6:30 p.m., Room 301 HUB.

Tuesday, Nov. 2

University Theatre, "Cradle of the Hero," 8 p.m., Playhouse Theatre.
Alpha Phi Omega Bloodmobile, 10 a.m.-4 p.m., HUB ballroom.
Comp Lit Luncheon, 12:15 p.m., Faculty Club.

Wednesday, Nov. 3

University Theatre, "Hero of the Cradle," 8 p.m., Playhouse Theatre.
William Dole, 8:30 p.m., Music Bldg. recital hall.
Alpha Phi Omega Bloodmobile, 10 a.m.-4 p.m., HUB ballroom.
Chess Club, 7 p.m., HUB gameroom.
PSOC Ski Division, 7 p.m., HUB ballroom. Organizational meeting.

Thursday, Nov. 4

University Theatre, "Cradle of the Hero," 8 p.m., Playhouse Theatre.

Friday, Nov. 5

Sports: Junior Varsity football, vs. Millford Academy, 2 p.m.
University Theatre, "Cradle of the Hero," 8 p.m., Playhouse Theatre.
GSA Coffeehouse, 8 p.m., Room 102 Kern.
Dinner Theatre, dress rehearsal, 8 p.m., Room 112 Kern.

Saturday, Nov. 6

Sports: Football, vs. North Carolina State, 1:30 p.m.; women's cross country, Region II Championships; women's field hockey, vs. West Chester, 1 p.m.
Dinner Theatre, 6:30 p.m. Rooms 102 and 112 Kern.
PSU Symphony Orchestra, 8:30 p.m., University Auditorium.
University Theatre, "Cradle of the Hero," 8 p.m., Playhouse Theatre.

Sunday, Nov. 7

Chapel Service, 11 a.m., Music Bldg. recital hall. Raymond O. Murphy, vice-president, Student Affairs.
Black Christian Fellowship Worship service, 11:15 a.m., Eisenhower Chapel. Rev. Hugh Brooks, State College.
Dinner Theatre, 6:30 and 8 p.m. Rooms 102 and 112 Kern.

WEEK OF NOVEMBER 8

Monday, Nov. 8

Opening reception, Works by Edward Adams, 7:30 p.m., Zoller Gallery.
Marcus Chubbuck, piano, 8:30 p.m., Music Bldg. recital hall.
Bridge Club, 6:30 p.m., Room 301 HUB.

Tuesday, Nov. 9

Fixed date for meetings involving Commonwealth Campus faculty.
Comp Lit Luncheon, 12:15 p.m., Faculty Club.
Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
GSA Council meeting, 7 p.m., Room 101 Kern.

Wednesday, Nov. 10

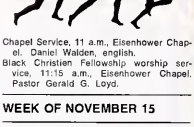
Artists Series Truffaut film festival, "Jules and Jim," 8 p.m., University Auditorium.
Claremont Woodwind Quintet, 8:30 p.m., Music Bldg. recital hall.
G.S.A. Commonspace Theatre, 7:30 and 9:30 p.m., Room 112 Kern.

Friday, Nov. 12

GSA Coffeehouse, 8 p.m., Room 102 Kern.

Sunday, Nov. 14

Sports: Men's cross country, Eastern USTFF Championships.



Chapel Service, 11 a.m., Eisenhower Chapel. Daniel Walden, english.
Black Christien Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Pastor Gerald G. Loyd.

WEEK OF NOVEMBER 15

Monday, Nov. 15

Classes end, 9:55 p.m.
Last day for signing Fall Term Emergency Loans, Room 108 Shields.
Color Slide Club, 7:30 p.m., Room 112 Kern.

Tuesday, Nov. 16

Final examinations.

Wednesday, Nov. 17

Final examinations.

Thursday, Nov. 18

Final examinations.
Faculty Women's Club, Lecture Series, 1:30 p.m., Memorial Lounge, Eisenhower Chapel.

Friday, Nov. 19

Final examinations.

Saturday, Nov. 20

Final examinations.

Sunday, Nov. 21

Black Christien Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Elder Steve Green, State College.

WEEK OF NOVEMBER 22

Monday, Nov. 22

Fixed date for meetings involving Commonwealth Campus Faculty.

Tuesday, Nov. 23

College of Agriculture faculty meetings, 4 p.m., Rooms 301 A & B, Ag. Adm. Bldg.
Fixed date for meetings involving Commonwealth Campus faculty.

Saturday, Nov. 27

Commencement.

Appointments

(Continued from page two)

Lt. Col. Franklin H. Mersh as associate professor of naval science. B.S. and M.S., Berea College. Former head of the Requirements Unit, Installations and Logistics at Marine Corps Headquarters, Washington, D.C.

Robert M. Feinberg as assistant professor of economics. B.A., U. of Pennsylvania; Ph.D., U. of Virginia.

Suzanne Gelz as assistant professor of individual and family studies at Mont Alto. B.S., Penn State; Ph.D. candidate at U. of Minnesota. Former NIMH graduate fellow and instructor.

Dr. Charles B. Grossman as assistant professor of radiology at Hershey. B.A., Johns Hopkins U.; M.D., New York U. Former assistant professor at Temple U. Health Sciences Center.

Jack G. Grundmann as assistant professor of mechanical engineering. B.S., M.S., and Ph.D., U. of Wisconsin. Former research associate at Oak Ridge National Laboratory.

Ehud Gudes as assistant professor of computer science. B.S. and M.Sc, Technion, Israel; PhD. candidate at Ohio State U.

Arlene E. Hall as instructor of physical education at New Kensington. B.S. and M.Ed., Slippery Rock State College. Former teacher at Hempfield Area Senior H.S.

Dr. Harriet C. Isom as assistant professor of microbiology at Hershey. B.A., Bryn Mawr; M.S. and Ph.D., U. of Illinois. Previously an associate in the department of microbiology et the U. of Pennsylvania.

Paul R. Heller as assistant professor of entomology. B.A., Malone College; M.S. and Ph.D., Ohio State U. Former supervisor at Pest Management Consultants.

Gilbert H. Hoffman as research associate at ARL. B.S., Mississippi State U.; M.S. and Ph.D., Stanford U. Former scientist with McDonnell Douglas Research Labs.

Marjorie E. Karp as instructor of philosophy. B.A., Bennington College; M.A., Princeton U.; Ph.D. candidate at Princeton.

Taeho Kim as assistant professor of economics at Behrend College B.A., Kookmin College; M.A. and Ph.D., U. of Colorado. Former associate professor at the American Graduate School of International Management.

Dr. Jeffrey S. Lannin as assistant professor of physics. Ph.D., Stanford U. Previously a visiting assistant professor at the U. of Delaware.

Richard M. Lerner as associate professor of child development in Individual and Family Studies. B.A. and M.A., Hunter College; Ph.D., City University of New York. Formerly held positions at Hunter College and Eastern Michigan U.

Andrew D. Luzi as lecturer in accounting. B.S., B.A., Ohio State U.; Ph.D. candidate at U. of Kansas Former assistant instructor at U. of Kansas.

James D. Lynch as assistant professor of statistics. B.S., Marquette U.; M.S. and Ph.D., Florida State U. Formerly an assistant professor at the U. of Nebraska.

Dr. V. Patrick Mahataphongse as assistant professor of surgery in otorhinolaryngology at Hershey. B.A., U. of Minnesota; M.D., Georgetown U. Former chief resident in otorhinolaryngology at Hershey.

Joan D. Mandle as assistant professor of sociology at Delaware County. B.A., U. of Pennsylvania; M.A. and Ph.D., Bryn Mawr College. Former assistant professor at Temple U.

Roberta E. McCreary as assistant professor of nursing B.S., Edinboro State College; M.Ed., Gannon College Previously director of nursing at Medicenter Hospital, Erie.

James L. McDonel as assistant professor of microbiology end cell biology. Ph.D., Notre Dame. Served as e post-doctoral fellow in the Food Research Institute, U. of Wisconsin.

Clifton C. Merchant as research assistant at ARL. B.S., Penn State. Formerly a supervisory engineer with Westinghouse transportation.

Wendell H. Mills as assistant professor of mathematics. Ph.D., U. of Michigan. Previously a teaching assistant at U. of Michigan.

John J. O'Sullivan as assistant professor of mathematics. B.Sc. and M.Sc., National U. of Ireland; M.S. and Ph.D., U. of Notre Dame. Former visiting assistant professor at Bonn U., Germany.

Robert J. Panek as assistant professor of astronomy. B.S., California Institute of Technology; Ph.D., U. of Wisconsin. Former visiting assistant professor at Beloit College.

Constance M. Pierce as assistant professor of English. B.A. and M.A., East Carolina U.; Ph.D., Penn State. Previously assistant professor at U. of Puerto Rico and lecturer at Penn State.

Lawrence W. Ramsey as assistant professor of astronomy. B.A., U. of Missouri; M.S., Kansas State U.; Ph.D., Indiana U. Served as teaching and research assistant at Indiana U.

Robert A. Schlegel as assistant professor of microbiology and cell biology. B.S., U. of Iowa; A.M. and Ph.D., Harvard U. Fomer assistant professor at U. of Utah.

Randall S. Schuler as visiting assistant professor of business. B.A., M.B.A., and Ph.D., Michigan State U. Former assistant professor at Cleveland State U.

Catherine O. Seibold as Instructor of nursing at Behrend College. B.S., Mt. Union College. Formerly coordinator of medical-surgical nursing et Hamot Medical Center, Erie.

Dr. Isam H. Shehadeh as assistant professor of medicine at Hershey. M.D., American U. of Beirut. Served as consultant to the governments of Lebanon and Saudi Arabie for the development of state-subsidized dialysis facilities.

Henry P. Sims as associate professor of business, B.S., Purdue U.; M.B.A., U. of Detroit; Ph.D., Michigen State U. Former assistant professor at Indiane U.

James S. Sims as assistant professor of chemistry at Mont Allo. A.B., Cornell U.; Ph.D., Indiana U. Former postdoctoral researcher at Indiana U.

Stanley P. Stephenson Jr. as assistant professor of economics. B.A., Ball State U.; M.A. and Ph.D., Indiana U. Former research economist for the U.S. Department of Health, Education and Welfare.

John M. Tarbell as assistant professor of chemical engineering. B.S., Rutgers U.; M.S. and Ph.D., U. of Delawore. Former assistant professor at U. of South Carolina.

Marylee C. Taylor as assistant professor of sociology. B.A., UC-Berkeley; M.A., Cornell U.; Ph.D. candidate at Harvard. Former dean of women at Ithaca College.

Dr. Richard B. Tenser as assistant professor of medicine at Hershey. B.S., Wisconsin; M.A., Syracuse; M.D., SUNY (Syracuse). Formerly a post-doctoral fellow in laboratory medicine and neurology at Yale.

James B. Thies as associate professor of accounting. B.S., M.S., and Ph.D., Northwestern U. Former assistant professor at Northwestern.

James B. Turpin as assistant professor of biology. B.S. and M.S., U. of Denver; Ph.D., Tulane U. Former USPHS postdoctoral fellow at the U. of Rochester and an Instructor at Tulane.

M. Albert Vannice as associate professor of chemical engineering. B.S., Michigan State U.; M.S. and Ph.D., Stanford U. Former senior research engineer with Exxon Research and Engineering.



Reaching #10 by Stephen Porter

Museum to show sculptor's work

Recent work by sculptor Stephen Porter, assistant professor of art, will be shown beginning Sunday, Sept. 12, in the Museum of Art, with a public reception for the artist from 3 to 5 p.m.

Among the works to be exhibited are pieces made of aluminum, stainless steel, bronze, fiberglass, plexiglas and wood. Four silkscreen prints related to the sculpture will also be shown.

Mr. Porter's work has been featured in five solo exhibitions in New York City, as well as in other solo and group exhibitions.

Before coming to Penn State in 1973, Mr. Porter taught at Silvermine College of Art and Cornell University. He studied at Cornell, Colorado College and Yale University.

"Recent Work by Stephen Porter" will be on view through Oct. 31 in the Museum of Art. American paintings and furniture from the Museum's Permanent Collection will remain on exhibit through Sept. 26.

Seminars, Sept. 13-16

Monday, Sept. 13

Genetics, 3:55 p.m., Room 108 Tyson.

Biochemistry and Biophysics, 4 p.m., Room 101 Althouse. Dr. Earle Stellwagen, biochemistry, University of Iowa, on "Utilization of the Blue Dextran: Protein Interaction for Protein Purification, Ligand Site Characterization and Protein Structural Predictions."

Tuesday, Sept. 14

Comp Lit Luncheon, 12.15 p.m., Room 1-1A Faculty Club. Dan Laurence, Visiting Fellow, Institute for the Arts and Humanistic Studies, on "Shaw, Sex and a Fleet Street Cellar."

ARL Technical Seminar, 10:45 a.m., Eric A. Walker Conference Room, Applied Science Bldg. J. C. Snowdon on "The Isolation of Machinery Vibration from Rigid and Non-Rigid Substructures."

Biochemistry and Biophysics, 11 a.m., Room 101 Althouse. Dr. Earle Stellwagen, biochemistry, University of Iowa, on "Properties of an Hormone Responsive Adenylate Cyclase Purified from Bovine Brain Cortex."

Natural Disasters, 2:20 p.m., Room 302 Mineral Industries. B. F. Howell, geophysics, on "Tsunami."

Air Pollution, 2:20 p.m., Room 140 Fenske. Robert J. Heinsohn, mechanical engineering, on "Design of Improved Stack Sampling System."

Engineering Science and Mechanics, 4 p.m., Room 206 Hammond. Dr. Walter D. Pilkey, University of Virginia, on "Deterministic Response of Structure with Uncertain Loading."

Thursday, Sept. 16

Natural Disasters, 2:20 p.m., Room 302 Mineral Industries Bldg. Karl V. Steinbrugge, Pacific Regional Office, Insurance Services Office, on "Earthquake Hazard and the Effects of Building Codes."

Staff vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until **5 p.m., Sept. 17, 1976. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

RESEARCH AIDE, COLLEGE OF AGRICULTURE — University Park

Perform specialized procedures in gross, microscopic, histologic, and histochemical examination and processing of animal tissues, including blood and fecal examination of submitted specimens. Handle laboratory animals and perform inoculations, draw blood and remove tissue specimens for examination. Identity and count types of microorganisms. Prepare routine histologic and histochemical stains of paraffin on frozen tissue sections or fixed tissue smears. Perform blood and urine morphologic, physical and chemical examinations. Bachelor's degree in medical technology or its equivalent, with ASCP certification and 9 to 12 months of broad, effective experience in a clinical laboratory.

RESEARCH DATA WRITER — Hershey

Responsible to the Chairman of the Department of Psychiatry and to the Chief of Research for the preparation and writing of various reports related to the departmental research program. A bachelor's degree in composition or journalism, plus six months of experience in the writing and preparation of reports.

Funding sources

Call 865-1372 for further information

(235-1) The Office of Education has issued proposed criteria governing applicant selection for the **Teacher Corps Projects.** (Ref. 41 FR3363-32, 6/11/76). (CFDA 13.465) and a closing date of Sept 15 for receipt of amendments. (Ref. 41FR360-62-63, 6/29/76).

(239-2) The Office of Education has issued proposed mandatory requirements for **Modern Foreign Language and Area Studies,** including International studies centers, fellowships, and research and studies. General provisions are also included. (Ref. 41FR24629-0, 6/12/76)

(239-3) The U.S. Department of Transportation (DOT) Office of University Research has issued guideline booklets for its **FY1977 Annual Solicitation for Research Proposals.** A closing date has been announced for applications (mail by Nov. 15), focused on national transportation problems These are classified into groups including economics and regulations, science and technology, operations and system concepts, social and behavioral, safety and environment, and university-originated research topics (Ref. ibid.)

(235-5) Proposed regulations for applications and criteria for discretionary grants have been published by the Department of Housing and Urban Development under **Community Development Block Grants** (Ref. 41FR34301-05, 8 13/76)

(235-5) ERDA has issued proposed regulations for **Protection of Human Subjects** in the performance of grants, contracts, and any other ERDA agreements. (Ref. 41FR34778-82, 8/17/76)

(238-4) The NEH has issued a booklet, **NEH Education Program 1976,** explaining NEH grant application procedures and its education program designed to improve instruction in the humanities. (Ref. ibid.)

(238-7) NEA has issued application guidelines under its Literature Program including **Assistance to Small Presses** (deadline 3/1/77), **Readings and Residencies for Writers** (six month lead time) and **Fellowships for Creative Writers** (deadline 2/15/77). The NEA program contact is Leonard Randolph (202-634-6044). (Ref. 41FR35233-37, 8/20/76)

(235-6) The **U.S.-France Exchange of Scholars Program** competition is open from Sept. 1 to Nov 1. Program contact is 202-632-0756. (Ref. NSF announcement)

(235-5) NSF has announced a Dec. 1 deadline date for **Engineering Research Initiation Grants Program,** 1577. The program is open to full-time engineering faculty members who have had no subsidiesial research support at the professional level. Awards are made to the Institution on behalf of the individual (principal investigator). (Ref. NSF 76-32)

FELLOWSHIPS (FD 76-17)

For further Information Inquire at 317 Kern, 865-2514

(235-10) Federal Highway Administration (12/1/76)

(235-11) NIMH (9/1/76) (7/1/77)

News briefs

(Continued from page one)

years of Dr. Ford's service as dean, the College has achieved the basic goals for which it was established. Its programs have enabled Penn State to respond effectively to the needs of a changing society."

The President indicated that a committee to assist in the search for a new dean will be named in accordance with University policy.

Dean Ford plans to request a sabbatical leave for 1977-78 and then "renew my personal scholarly momentum and teaching capabilities."

In his scholarly work, he has made original contributions to psychological research and has sought to develop applications of basic psychological knowledge to psychotherapy. He is senior author with Dr. H. B. Urban, professor of human development and psychology, of the book, "Systems of Psychotherapy: A Comparative Study." He has published "College Dropouts: Successes or Failures," as well as other studies.

JGE on "working"

The Journal of General Education, published by Penn State's Press, is devoting its summer issue to working, "in and out of academic institutions, particularly on the relationships between the academy and what is sometimes called 'the real world'. "Many recent publications," editors Caroline end Robert Eckhardt continue, "have indicated a diversity of viewpoints about the nature of those relationships, ranging from the position that one of the functions and responsibilities of higher education is to prepare people for employment or to provide skilled workers for the economy's needs . . . to the position that while postsecondary institutions may teach marketable skills, such is not their primary purpose." Articles in the issue tend to seek e meeting ground between these extremes, the editors note. Frederick Van Antwerp, social science and humanities reference librarian at Pattee, has contributed an article, "Higher Education and Work: A Selected Short Guide to Sources for Research."

English classes available

Registration for English as a Second Language classes will be held in Room A-10 at the Westerly Parkway Senior High School from 7 to 9:30 p.m. from Sept. 13-23. The courses are designed for international students and their spouses. For further information, call John Ditmar, 237-6201.

PSU tops Armstrong list

Armstrong Cork Co. of Lancaster has announced that more graduates from Penn State have joined that firm in the last five years than from any other college or university. From 1972 through 1976, Penn State has been No. 1 on Armstrong's "Top 25," a ranking of colleges and universities according to the number of professional employes they provide to the company. Armstrong recruited at nearly 190 other campuses during that five-year period.

Affirmative Action plan okayed

The University's Affirmative Action Plan has been approved by the Office for Civil Rights, Department of Health, Education, and Welfare.

"We are pleased that Penn State's commitment to equal employment opportunity and its plan for affirmative action have been endorsed," President Oswald commented. "This action is a significant milestone in what has been and will continue to be a long term commitment of the University."

Dr. Oswald was advised of the acceptance Aug. 25 in a letter signed by Dewey E. Dodds, director, Office for Civil Rights, Region III.

"We have completed our evaluation of your Affirmative Action Plan which was submitted to this Office in February of this year," the letter stated. "Based on this evaluation, we have determined that your plan meets the requirements of Title 41 of the Code of Federal Regulations as clarified by the Format.

"Thus, the University is in compliance with the Executive Order and thereby continues to be eligible to apply for and receive Federal contracts. In accordance with 41 CFR 60-2.14, the University's compliance status remains subject to periodic review which may include requests for progress reports, updated information and onsite reviews."

Museum teaching is talk topic

In the first gallery talk of this academic year in the Museum of Art, Dr. Robert W. Ott, assistant professor of art education, will speak on teaching in museums at 10:30 a.m. Tuesday, Sept. 14, sponsored by the Friends of the Museum.

Dr. Ott, chairman of the docent education program of the Museum of Art, will present an illustrated multi-media talk explaining innovations in museum education in English and American museums and will discuss the educational programs of three English museums, Tate Gallery, Victoria and Albert Museum, and National Portrait Gallery of London, in which there have been recent research and program developments.

Dr. Ott teaches a course at the University titled "Schools and Museums." He is Educational Research Assocciate for the Education Department of the Royal Ontario Museum of Canada.

New instructors to show work

Six instructors who joined the faculty of the Department of Art this term will exhibit recent work in the annual New Art Faculty Show opening Tuesday, Sept. 14, in Zoller Gallery. A public reception for the exhibitors will be held at 7:30 p.m. Monday, Sept. 20, in the gallery. The work will remain on view through Sept. 22.

Exhibiting will be Elizabeth Conred, a recent MFA graduate of Western Michigan University; Elizabeth Grubic, who holds an MFA from Queens College; Karen House, most recently a freelance graphic designer in London who studied at Royal College of Art and London College of Painting; Jack Petie, a graduate of Silvermine College of Art, Hartford Art School, and the University of Pennsylvania, who taught at the University of Arkansas; Marcia Prager, with degrees from SUNY at Stony Brook and Pratt Institute, who has taught at Erie Community College, SUNY at Buffalo, and the Center for Exploratory and Perceptual Arts; and William Schoef, a graduate of the Universities of Florida and Illinois, who taught at the University of Florida.

Creamery has new kind of milk

Low fat milk in a new higher protein form than regular milk, with a bacterial culture added, is available for the first time in this area from the University Creamery. The new product is known as acidophilus milk, named for bacteria called "Lactobacillus acidophilus" which are added to pasteurized low fat milk. Proponents of acidophilus milk claim that it reduces intestinal disorders. "Lactobacillus acidophilus" can survive the acid conditions of the stomach and be passed on in large numbers to the intestine. In the intestines, bacteria aid digestion, and the acidophilus cells work more efficiently than do most other types, according to William W. Coleman, Creamery manager.

Using cultural strains of lactobacilli, the Creamery has developed an acidophilus milk with the natural sweet taste of milk, Mr. Coleman reports, noting that acidophilus milk has been known for centuries in Europe and the Mediterranean area, but that many people object to its acid flavor. At the Creamery, the lactobacilli organisms are added to low fat, higher than normal protein milk at the rate of over 4 billion per one half gallon. As long as the milk is stored at temperatures lower than 45°F, the natural sweet milk flavor will be maintained. The extra process adds 10 cents to the cost of a half gallon.

Colloquy offers Dick Clark

Dick Clark, who burst into prominence over 20 years ago with American Bandstand, will provide a capsulized history of rock 'n roll under the sponsorship of Colloquy at 8 p.m. on Tuesday, Sept. 14, in University Auditorium. His talk will be interspersed with film clips of live performances and behind the scenes chats with rock 'n roll stars who have appeared on the program.

New associate degree program

An associate degree in labor studies will be offered this fall at the Worthington Scranton Campus. It is intended for adults interested in labor relations, such as members of labor organizations, labor relations specialists, or persons preparing for positions in labor-related professions.

PLRB hearings report

Pennsylvania Labor Relations Board (PLRB) hearings to determine who should participate in a faculty collective bargaining election reconvene Sept. 22, 23 and 24.

Hearings will resume with the continued cross-examination of Robert J. Scannell, dean of the College of Health, Physical Education and Recreation, who will be followed by Dean Nunzio J. Palladino of the College of Engineering. Time permitting, testimony will also be taken during these days from Donald H. Ford, dean of the College of Human Development.

The Pennsylvania State University Professional Association (PSUPA) filed a petition for an election with the PLRB in October 1975. Since hearings to determine an appropriate voting unit began last January before PLRB examiner Sidney Lawrence, 21 days of testimony have been presented by the University.

Issues dealt with thus far have been the inclusion or exclusion of "non-teaching professionals (staff exempt personnel) in a faculty voting unit and the membership of the College of Medicine to the other academic units of the University. Since June, the primary issue has been the determination of the first level of supervision according to definitions provided by Act 195— the Pennsylvania Public Employe Relations Act.

Specifically, Act 195 states that supervisor means "any individual having authority in the interests of the employer to hire, transfer, suspend, lay off, recall, promote, discharge, assign, reward or discipline other employees or responsibility to direct them or adjust their grievances; or to a substantial degree effectively recommend such action, if in connection with the foregoing, the exercise of such authority is not merely routine or clerical in nature but calls for the use of independent judgment."

The University's position in the hearings is that department heads are supervisors within the meaning of the Act. The University is also arguing on the same grounds for the exclusion of other "supervisory personnel (e.g., directors and "in-charge" administrators) who are being identified college by college.

Both PSUPA, the petitioner, and the Penn State Chapter of the American Association of University Professors (AAUP), the intervenor, are attempting to show through cross-examination of the college deans that department heads do not act independently but are representatives of their faculty and operate primarily on the basis of consensus.

Since practices differ from college to college within the University and because of the variety of academic titles, it is probable that all college deans will testify during the hearings. Once the University concludes its testimony, both the AAUP and PSUPA are entitled to present their own witnesses, subject to cross-examination by the University.

In addition to the three days of hearings scheduled for September, hearing dates have also been set for Oct. 27, 28 and 29.

Elsewhere in academe

Job scene brighter

This year's college graduates received 11 to 14 percent more job offers than last year's, according to a study by the College Placement Council. The best paying new bachelor's degree was petroleum engineering with job offers in that field averaging $1,398 a month. Lowest offers went to holders of humanities degrees — $775 a month. With the improvement in the economy, bachelor's offers rose 11 percent over 1975; master's were up 8 percent; doctorates, 14 percent. While men received 4 percent more offers at the bachelor's level, job offers to women with B.A. or B.S. degrees shot up by 59 percent.

Higher ed income sources

Expenditures for public and private higher education in Pennsylvania totalled $1.960 billion last year, a report released by the State Department of Education notes. Tuition and student fees of $577 million constituted the largest single income source for the 188 institutions of higher education in the Commonwealth, followed closely by government appropriations of $445 million. Federal and state government grants accounted for income of $247 million and private grants and gifts for $149 million. The remaining income of $553 million came from a variety of sources, including about $250 million from institution-owned or related hospitals.

Black enrollments

A new study, "Equal Educational Opportunity for Blacks in U.S. Higher Education," issued by the Institute for the Study of Educational Policy at Howard University, has found that while blacks have made major gains in recent years the changes have tended to be "irregular and inadequate." According to the report, 814,000 black men and women, or 8 percent of the 16-to-34-year-old black population, were attending some form of postsecondary education. Among whites in the same age group, the figures were 7.8 million or 14 percent. In addition blacks tended to be disproportionately represented at less prestigious institutions such as two-year colleges. The report concludes that the gap between black and white attendance in college is narrowing, however. From 1970 to 1974, enrollment of blacks in higher education increased by 56 percent.

'Pivot' takes on Pa. Arts Council

The 27th issue of the poetry magazine "Pivot" is on the newsstands and editor-founder Joseph L. Grucci this year has a surprise that isn't written in blank verse.

Mr. Grucci takes on the Pennsylvania Council on the Arts in an open letter asking "drastic revision of their stingy budget for poetry." Of the $1,100 allotted by the council for poetry this year, "Pivot" was offered $190. Mr. Grucci declined.

"Even allowing for tightened budgets, we are again reminded that poetry is treated as a stepchild of the arts," the retired associate professor of English writes. "Sizable funds are available for less-deserving projects than a magazine that has been around for a quarter century."

Penn State faculty members whose poetry appears in the 1976 issue include Gertrey Godbey, associate professor of recreation and parks; Paul Hopper, who teaches German at Shenango Valley Campus; Robert Lima, professor of Spanish and comparative literature; Jack McManis, assistant professor of English; Stanley Rosen, professor of philosophy; Jo C. Seidle, assistant professor of creative writing at Altoona; Patricia L. Sherpe, former assistant professor of humanities; Brant Shoemaker, associate professor of English at Ogontz; and C. Wolford, assistant professor of English at Behrend College.

WPSX highlights

"Grand Illusion," French director Jean Renoir's classic anti-war film, is featured on **Theatre Three** Saturday, Sept. 11, at 9 p.m.

Folksinger Judy Collins joins Arthur Fiedler and the Boston Pops Orcestra on **Evening at Pops** Sunday, Sept. 12, at 8 p.m.

WPSX-TV will have complete coverage of this year's Penn State football schedule. Every Sunday at 2 p.m., Channel 3 will broadcast the previous day's game in its entirety. Analysis of key plays by Coach Paterno will be a new feature on **TV Quarterbacks** every Wednesday at 8 p.m. **TVOB** also features interviews with players scouting reports on upcoming games and answers to questions from fans.

"The Rules of the Game," Luigi Pirandello's study of the inevitable, yet sterile behavior of an affluent Italian gentleman his estranged wife, and her weak-willed lover, is presented on **Theater in America** Wednesday, Sept. 15, at 9 p.m.

PENN STATE intercom

Volume 5, Number 48 September 16, 1976

An internal communications medium for the ecedemic community of The Pennsylvenia Stete University published weekly during the tour terms of the cless schedule

News in brief

Heat goes on Sept. 24

The heat was turned on in University residence halls on Tuesday, Sept. 9. However, the heat will not be turned on in other buildings until approximately Sept. 24. Occupants of these buildings might want to bring sweaters to work in case of unseasonably cold weather prior to this date.

The choice of dates was determined by the Executive Energy Conservation Committee after reviewing data provided by the Department of Meteorology and prepared by the Department of Statistics and the Office of Physical Plant. The data featured "risk tables" based on area weather conditions during the past 30 years. Using these tables, it was also decided that air conditioning will be turned off in academic and administrative buildings on approximately Sept. 15, and in research areas on approximately Sept. 21.

Williams is African Studies speaker

The African Studies Forum is sponsoring a talk by Dr. Anthony V. Williams, associate professor of geography, at 8 p.m. on Wednesday, Sept. 22, in Room 101 Kern Graduate Bldg. He will speek on "Problems and Trends of Rural Development in Nigeria." Dr. Williams was a visiting reader and Rockefeller Professor at the University of Ibadan, Nigeria, from 1974 to 1976. While there, he conducted research on highway and railway flows as a consultant to the Nigerian Federal Office of Statistics. He also did surveys on agricultural problems as perceived by Nigerian farmers and studied migration from rural areas.

Negotiations continue

A joint negotiation session with the University's negotiating team and that of Teamsters Local Number 8 was scheduled for Wednesday, Sept. 15, by mediator William Smith.

At an all-day negotiation session on Sept. 10, several possible solutions to contract disagreements were submitted to the University negotiation team. Since these proposals were complex, Mr. Smith held another meeting with the University team on Sept. 14.

At the Sept. 15 meeting, the union was to be informed of the University's response to the proposals, according to Mr. Smith.

Trehy, Wustman will perform

"Die Schone Mullerin," Schubert's song cycle setting of 20 poems by Wilhelm Muller, will be performed by Robert Trehy, baritone, and John Wustman, pianist, at 8:30 p.m. on Monday, Sept. 20, in the Music Bldg. recital hall. The cycle, the title of which translated is "The Beautiful Maid of the Mill," contains many of Schubert's most famous songs.

Mr. Trehy, professor of music at the University, has appeared with many of the country's major symphonies and opera companies. Most recently, he performed in concerts of music by Rogers and Hammerstein and Cole Porter to open the summer season of the St. Louis Symphony Orchestra.

John Wustman is a professor of music at the University of Illinois and e noted piano accompanist who currently performs with Luciano Pavarotti. Mr. Wustman will be at Penn State under the sponsorship of the Institute for the Arts and Humanistic Studies and will conduct master classes for singers and pianists at 10:30 a.m. on Monday, Sept. 20. Interested persons are invited to view the master classes, which will be held in the recital hall.

Newcomers sponsors desserts

The Newcomers' Club of the Faculty Women's Club will sponsor a series of fall desserts to welcome new women faculty and administrators and wives of new faculty and administrators. These desserts will be held the week of Sept. 19, prior to the fall reception of Sept. 29, which is sponsored jointly by the two groups.

Karen Shute, hospitality chairman in charge of arrangements for the desserts, has announced the following times and places: **Sunday, Sept. 19,** 3 p.m., at the home of Jean Baisley, 454 Park Lane, with co-hostess Judy Swisher; **Sunday, Sept. 19,** 7 p.m., at the home of Pearl Forth, 963 E. McCormick Ave., with co-hostess Sandy Webster; **Monday, Sept. 20,** 7:30 p.m., at the home of Elaine Baumgardt, 111 E. Harris Dr., with co-hostess Barbara Fedeler; **Tuesday, Sept. 21,** 7:30 p.m., at the home of Jeanne Brault, 705 Westerly Parkway, with co-hostess Pat Goodwin; **Wednesday, Sept. 22,** 7:30 p.m., at the home of Mary Jane MacNeill, 667 Wiltshire Dr., with co-hostess Marty Hoover; and **Thursday, Sept. 23,** 7:30 p.m., at the home of Gretchen Leathers, 1750 High Ridge Circle, with co-hostess Karen Berner.

Further information may be obtained by contacting Sandy Webster at 234-8078 or Karen Shute at 237-9492 (after 5 p.m.).

Games classes available

Games and educational gymnastics classes for children of University faculty, staff and townspeople will again be offered by the College of Health, Physical Education and Recreation in the White Bldg facility. The classes will meet Thursday afternoons from 4 to 5 p.m. beginning Sept. 23 and continuing through Nov. 4. Children in grades kindergarten through fourth may attend. Enrollment will be limited to the first 60 children to register.

'Equus' ticket sale Sept. 21

Tickets for the afternoon performance on Sunday, Sept. 26, of "Equus," winner of both the New York Drama Critics' and Tony Awards, go on sale Tuesday, Sept. 21, at the Artists Series HUB booth and University Auditorium beginning at 9 a.m.

Curtain time Sunday afternoon is 3 p.m. in University Auditorium. The play's Sunday evening performance, which is part of the Artists Series Theatre/Dance series, has been sold out by subscription.

A drama of psychological suspense and a mythic thriller, "Equus" was written by British playwright Peter Shaffer. First performed in London's National Theatre in 1973, it opened on Broadway the following year and is still running in New York.

Trustee meeting is Sept. 17

The University's Board of Trustees will meet at 2 p.m. on Friday, Sept. 17, in Room 403, J. Orvis Keller Bldg.

Alard Quartet to play

The Alard String Quartet will present works by Beethoven, Bartok and Elgar in concert at 8:30 p.m. on Wednesday, Sept. 22, in the Music Bldg. recital hall. The Quartet, composed of Leonard Feldman, celio; Joanne Zagst and Donald Hopkins, violins; and Raymond Page, viola, all associate professors of music, recently received a National Endowment for the Arts grant to perform a series of regional premieres of a new quartet by Ezra Laderman.

Wednesday's concert includes Beethoven's Quartet in G Major, opus 18 #12, Bartok's Quartet #4, and Quartet in E Minor by Elgar.

Theatre to host 'Scapino'

The Playhouse box office will open Monday, Sept. 20, for the purchase of tickets to "Scapino," described as "a delightful romp for the entire family." The play was inspired by Moliere's "Les Fourberies de Scapin."

The box office will be open from 1 to 6 p.m. on non-performance days and from 1 to 9 p.m. on performance days Monday through Sunday. Tickets for "Scapino" can also be purchased at the Pavilion Theatre box office one hour prior to curtain time.

The play opens Oct. 7, plays through the 10th, and continues from the 12th through the 16th, beginning at 7:30 each night. Matinees, set for Oct. 10 and 16, begin at 2 p.m. Price weeknights is $1.75; Friday and Saturday nights, $2. Helen Manfull, associate professor of theatre arts, is directing the play, and Jean Sabatine, assistant professor of theatre arts, is designing the movement and choreography.



Michael Holroyd to talk Sept. 23

Michael Holroyd, one of the leading biographers currently writing in English, will give a talk at 7:30 p.m. on Sept. 23 in Room 101 Kern Graduate Bldg. on "Adventures of a Biographer." Mr. Holroyd, chairman of the National Book League of Great Britain, is guest of the Institute for the Arts and Humanistic Studies. He first achieved international fame with a biography of Lytton Strachey and has since published "Augustus John," a biography of the Bohemian English artist whose works and ways scandalized earlier 20th century England.

Creative dramatics offered

Children of faculty and staff are invited to attend seven weeks of classes in creative dramatics sponsored by the Department of Theatre and Film, beginning Sept. 20. One group of first- and second-graders and one at the fifth and sixth grade levels will meet each Monday and Wednesday in the Pavilion Theatre. The younger children will attend classes from 2:20 to 3:20 p.m.; the older, from 3:30 to 4:30 p.m. There is no fee, and registrations are being accepted at 865-7586.

Hort show salutes Bicentennial

"A Bicentennial Salute to Horticultural Pennsylvania" will be the theme of the 63rd Annual Horticulture Show to be held Saturday and Sunday, Sept. 18 and 19, at the Ice Pavilion. The show, which attracts 15,000 to 20,000 visitors annually, is the year's major project of the Penn State Horticulture Club.

Inn's Sunday buffet gets international flavor

By Dave Cuzzolina

With 12 decades of combined experience it figures the people at the Nittany Lion Inn would come up with something special for their regular Sunday buffet. And they have. The Nittany Lion is swinging into fall of '76 with a line-up of eight international menus, one featured each Sunday on a rotating basis.

From 12:30 to 2:30 p.m. and from 6 to 8 p.m. every Sunday, diners can plunk down their $5.95 ($2.50 for children under 12) and feast their eyes and stomachs on a table more then 30 feet long and loaded with dishes to satisfy their French, German, Italian, Oriental, Scandinavian, Hungarian, Polynesian or Pennsylvania Dutch appetites.

Always on Sunday, general manager Lou Silvi reminds, the buffet includes "our famous steamship round of beef" and seafood newburg.

It was in 1963 that the Sunday buffet originated at the Nittany Lion, e group effort on the part of Mr. Silvi; Jim Raylek, food and beverage manager; Jim Brannan, banquet manager; Richard Jackson, chef; and Donald Fagerty, banquet supervisor. Today they represent 120 years experience in the restaurant business.

"We wanted to create interest and improve business on Sundays during the winter months," Mr. Silvi explains. "We also wanted to do something to attract families."

Mr. Brannan adds, "For some reason in those days people were not patronizing the formal or semi-formal dining areas. We were lucky to get 60 to 75 people here on Sundays."

Soon after the buffets began, however, all that changed. On the better Sundays, more than 500 people traveled the length of the buffet table. About four months ago, to improve the variety and increase the interest, the international menu idea was initiated.

Still the Nittany Lion Inn crew has not rested on its laurels. Constantly, items are being taken off and added to the menus according to their popularity. The buffets have even benefitted from the advice of foreign students, who sometimes attend when their countries are being featured.

"They have been very helpful," Mr. Silvi notes, and cites instances where students have either suggested new menu items or new ways to prepare foods.

Mr. Raylek offers a couple reasons for the success of the Inn's Sunday buffets: quality food, moderately priced. You know the price, already, so how about scanning a few of the international temptations:

French — Braised veal noisettes, chicken cocotte, and for dessert, French bread pudding made with honey and brandy.

Oriental — Sweet and sour pork, chicken cantonese and steamed rice with caraway.

Scandinavian — Roast cubes of pork, Swedish chicken and, of course, Swedish meatballs.

Polynesian — Baked chicken in sweet and sour sauce, shrimp fried rice, and, to top it off, ice cream with kona fruit sauce.

German — Beef in spiced sour cream, ham braised in burgundy, and spiced sauerkraut with knockwurst.

Hungarian — Chicken paprika, garlic sausage and cabbage casserole and — what else? — Hungarian goulash.

Pennsylvania Dutch — Chicken pot pie with wide noodles; ham, green bean and potato casserole; and shrimp cooked in beer.

Italian — Chicken cacciatore, eggplant parmesan and seashell maceroni with clem sauce.

1976-77 Revised Administrative Guidelines for the Conduct of the University Promotion and Tenure Review Process

President Oswald has issued for immediate implementation the 1976-77 Revised Administrative Guidelines for the Conduct of the University Promotion and Tenure Review Process, the text of which appears below. These guidelines modify those used in 1975-76 and are the direct result of suggestions made by faculty and administrators after study and review of last year's procedures.

Revisions are indicated in boldface type. They have been developed to improve the implementation of the policy. The policy itself (PS-23) has not been altered.

Foreword

PS-23 was endorsed by the University Faculty Senate on May 6, 1975, and was subsequently approved for implementation by President Oswald effective July 1, 1975. Administrative guidelines for implementing PS-23 during 1975-76 accompanied the policy. It was understood at the time that the guidelines might need to be revised following the first year of experience. Since the revision of the policy itself requires the combined deliberations of the Senate and University administration, and since the 1976-77 review cycle is scheduled to begin early in the Fall Term, no alterations will be made in the basic policy for the second year of its use. Revisions in the administrative guidelines, however, are being implemented to make the process more efficient and effective. None of the basic policies in PS-23 is altered by these revisions in the administrative guidelines.

Since decisions on promotion and tenure are of utmost importance to each faculty member, as well as to the University, it is essential that the evaluation of each nominee be made with complete fairness and objectivity. The process and guidelines for PS-23 were designed to maximize these conditions by (1) emphasizing the need for appropriate factual information; (2) requiring that department, college, and campus units establish relevant criteria within the broad University goals; (3) making use of reasonable evaluative methods; and (4) providing a mechanism for multiple reviews within the system. Following recommendations by a number of committee members at the college, campus, and University review levels; deans; and directors, the following administrative guidelines, revised for 1976-77, are presented to facilitate the implementation of PS-23 — to assure fairness, to regularize the development of the dossiers, increase objectivity, and to reduce the introduction of possible irrelevancies into the process.

Faculty members who are promoted or who receive tenure are viewed by their colleagues as having demonstrated academic excellence. The policy is purposely oriented to emphasize academic quality, in the broadest sense, as the central issue of concern with respect to promotion and tenure decisions. Neither the policy nor the guidelines are intended to in any way impede the full realization of academic excellence as represented by faculty members within a discipline, department, campus, or college. Indeed, academic and administrative units are urged to develop, specify, and consistently apply those criteria that are particularly appropriate to their area as long as such are consistent with University-wide criteria and policy.

1976-77 Revised Administrative Guidelines

I. EFFECTIVE DATE

The revised University promotion and tenure policy (PS-23) became effective on July 1, 1975

II. APPLICABILITY

A. Faculty members appointed to a tenure-eligible position prior to July 1, 1975.

1. Procedures The review procedures prescribed in the revised promotion and tenure policy apply in their entirety to all faculty members appointed to a tenure-eligible position prior to July 1, 1975. These revised procedures do not alter the basic conditions and rights of promotion and tenure under which faculty members employed prior to July 1, 1975, were appointed.
2. Substantive Policy Rights
   a. Changes introduced in the revised promotion and tenure policy are primarily procedural rather than substantive. In the few instances in which the substantive rights contained in the revised policy exceed the rights granted under the previous policy, the new rights are immediately extended to all faculty members appointed to a tenure-eligible position prior to July 1, 1975. These expanded rights are (1) the provision for longer periods for notification of non-reappointment in the first and second years of appointment, and (2) a more flexible accounting for years of service toward tenure.
   b. One provision in the new policy could potentially diminish the rights granted under previous policy. The new policy includes the provision of an additional year of provisional status if, through inadvertence, a faculty member is not notified of the award or denial of tenure by or before the end of the sixth year of appointment. This provision shall not apply retroactively to faculty members appointed to a tenure-eligible rank prior to July 1, 1975.

B. Faculty members serving in a nontenure-eligible position prior to July 1, 1975

All aspects of the new promotion and tenure policy, procedural and substantive, apply in their entirety to faculty members who were serving in nontenure-eligible positions prior to July 1, 1975, and who may be promoted or reappointed to a tenure-eligible position on or after July 1, 1975.

C. Faculty members appointed to The Pennsylvania State University on or after July 1, 1975

All aspects of the new promotion and tenure policy apply in their entirety to faculty appointments effective on or after July 1, 1975

III. CRITERIA

The policy indicates that all candidates for promotion and tenure are to be evaluated in terms of their (1) teaching ability and effectiveness, (2) research competence, (3) scholarship and mastery of subject matter, and (4) service to the University and the public. Within each of these broad categories, specific criteria applicable to the academic unit and reflective of the professional responsibilities of the faculty member are to be defined. The policy requires that the responsibilities of faculty members within units be identified in order that "all parties to the process share common expectations and understandings." This provides for a more well-defined alignment of reward with function within each of the four major categories.

Concerning these specific criteria (as well as those additional expectations that are relevant to a particular unit(s)) college deans, the Dean of the University Libraries, the Dean of Academic Instruction for Commonwealth Campuses, the Deans of Behrend College and Capitol Campus, and the Director of Intercollege Research Programs and Facilities, with appropriate faculty participation, shall:

A. Develop a written statement of criteria and expectations that is responsive to the academic demands of the particular discipline or unit. These criteria and expectations are to relate to the aforementioned University-wide categories. In addition, any special emphasis in criteria and expectations or areas of divergence from those usually applicable to the discipline for a given faculty member shall be identified. Special attention shall be given by the administrative officers to ensure compatibility between faculty member's responsibilities and the criteria and expectations applied to promotion and tenure decisions. The Dean of Academic Instruction for the Commonwealth Campuses and the college deans shall jointly develop expectations and standards for faculty members on Commonwealth Campuses.

B. Specify the evaluative methods used to assess the extent to which a faculty member has met the prestated criteria and expectations.

C. Assure that faculty members are regularly appraised of the criteria and expectations that relate to their respective responsibilities, and that they are advised by the appropriate academic or administrative officer of the general results of the evaluation of their performance in accordance with the policy.

D. Provide a copy of criteria, expectations, and evaluative methods to the Provost of the University and include a copy in the dossier of each candidate for promotion or tenure.

IV. REVIEW PROCEDURES

A. Establishment of Review Committees

1. Campus, Department, College, University Libraries, and Intercollege Research Programs Review Committees.
   a. **No later than October 1 of each year,** campuses, departments, colleges, the University Libraries, and the Intercollege Research Programs shall establish promotion and tenure review committees and procedures subject to the guidelines for such reviews as set forth in the policy and as indicated below. Exceptions to the following guidelines may be approved by the Provost of the University; requests for exceptions shall be accompanied by documentation of support for the request by committee members, directors, or department heads of the unit concerned and who are directly affected by the exception, and these shall have the concurrence of the appropriate dean.
      (1) Members of the review committee shall be selected according to procedures approved by the faculty of the respective academic unit and by the appropriate administrative officer.
      (2) Only tenured faculty shall make recommendations about candidates for tenure.
      (3) Only faculty of higher rank than the candidate shall make recommendations about promotion;
      (4) Review committees shall have no fewer than three members.
      (5) For the review of Commonwealth Campus faculty only, the policy requires that a majority of the members of the committees of the department and college levels consist of faculty from the Commonwealth Campuses. Every attempt should be made, however, to include a mix of faculty members at the campuses and at University Park when possible, administratively feasible, and consistent with the policy.
   b. In addition to the required guidelines listed above, which are established by the policy, faculty members at the campuses, in the departments, colleges, the University Libraries and the Intercollege Research Programs are **urged to adopt the following additional optional guidelines:**
      (1) Review committees should be limited to a maximum of seven members,
      (2) Committees should be selected proportionately as follows:
         (a) At least two-thirds of the membership elected by the faculty,
         (b) At least one-quarter of the membership appointed by the respective academic unit's administrative officer.
      (3) A majority of the faculty representatives **should** be full professors, and in the case of reviews for promotion from associate to full professor, the committee should be comprised solely of these full professors.
      (4) A committee chairman may be appointed by the appropriate academic administrator
   c. **No later than October 1,** all campus, college and University Libraries deans, and the Director of Intercollege Research Programs and Facilities shall submit to the Provost of the University a report describing the process adopted for establishing the review committees.
2. The University Promotion and Tenure Review Committee
   a. **In December of 1975, the University Faculty Senate elected six members of the University Promotion and Tenure Review Committee. This preliminary election provided for three one-year appointments (serving until June 30, 1976) and three two-year appointments (serving until June 30, 1977).** By June 30 of succeeding years, the University Faculty Senate shall elect three members of the University Review Committee for two-year appointments
   b. **One representative from among the recipients of the Lindbeck Award for Distinguished Teaching and one representative of the University's Evan Pugh Professors are selected annually by lot by the Provost of the University from among their respective groups and appointed to the University Review Committee.**
   c. The President of the University shall appoint three senior academic administrators to the University Review Committee annually
   d. **In the University Promotion and Tenure Review Committee, when a vote is taken on promotion to any rank, a majority of the committee members of the equivalent rank or higher must vote "Yes" in order for the promotion to be recommended. Similarly, only members of the University Committee who are tenured may vote on candidates for tenure.**
   e. The Provost of the University with the Office of Personnel Administration, shall be responsible for developing and maintaining procedures and recommendations forms for use by the University Promotion and Tenure Review Committee. These forms and procedures shall be distributed for information to the various academic units, commensurate with the initiation of each year's promotion and tenure reviews.

B. Review Schedule

1. **By September 15 of each year,** the Provost of the University shall advise the college deans, the Director of Intercollege Research Programs, the Dean of University Libraries, the Deans of Capitol Campus and Behrand College, and the Dean of Academic Instruction for Commonwealth Campuses of any changes to be incorporated into the guidelines for conducting promotion and tenure reviews, and advise them to proceed with promotion and tenure reviews in the respective academic units.
2. **By September 15 of each year,** The Office of Personnel Administration shall provide the college deans, the Dean of University Libraries, the Deans of Capitol Campus and Behrend College, and the Dean of Academic Instruction for Commonwealth Campuses with a report of all academic staff accumulating credit toward tenure within their respective units, indicating the number of years of credit earned toward tenure as of the next July 1, and identifying those subject to final tenure review
3. Promotion and tenure reviews should begin immediately following notification by the Provost of the University and the tenure reports from the Office of Personnel Administration.
4. Promotion and tenure recommendations from the Commonwealth Campuses shall be forwarded to the college and University Libraries deans and the Dean of Academic Instruction for Commonwealth Campuses as specified in the policy **before December 1.** The college and University Libraries deans and the Dean of Academic In

struction for Commonwealth Campuses shall be jointly responsible to coordinate the reviews at the campus, department, and college levels to allow for adequate periods of review at each level

5. Reviews for promotion and for the granting of tenure at the department and college levels shall be completed by or before **February 1.**
6. Following the reviews at the college or University Libraries level, the positive recommendations made by the dean for promotion and for the granting of tenure shall be forwarded by the appropriate deans to the Provost of the University through the Office of Personnel Administration for transmittal to the University Promotion and Tenure Review Committee no later than **March 1.** This shall include those recommendations for promotion and for the granting of tenure for faculty members holding joint appointments in a college and in an Intercollege Research Program. **The appropriate administrative officer shall inform those faculty members who did not receive a positive recommendation.**
7. The Director of the Intercollege Research Programs and Facilities is responsible for coordinating promotion reviews for personnel in the intercollege research programs. The Director shall forward positive recommendations for promotion for tacluty not holding joint appointments in a college to the Provost of the University through the Office of Personnel Administration for transmittal to the University Promotion and Tenure Review Committee no later than **March 1. The Director shall inform those personnel who did not receive a positive recommendation.**
8. For faculty members holding joint appointments in two or more colleges, the positive recommendations shall be forwarded by the college responsible for the largest share of the salary.
9. At the same time that recommendations are forwarded to the Provost of the University, a summary of the general processes followed in the reviews shall also be forwarded, as specified in the policy, along with the number of recommendations reviewed **for essociate professor, professor, or for tenure.** Appropriate **explanetion end documentation** regarding significant instances of differences in judgment shall be submitted (The colleges shall utilize comparable procedures, as appropriate, for evaluating nominees for promotion from instructor to assistant professor The decisions of the college shall be reported to the Provost of the University.)
10. By May 1 of each year, deans shall also complete the reviews of all other faculty members who are **either not subject to a final tenure decision that yeer nor recommended for promotion that year,** and will insure that faculty members are appropnately informed of the results of the evaluation.
11. The University Promotion and Tenure Review Committee shall complete its deliberations and forward its recommendations for promotion and tenure through the Provost of the University to the President of the University no later than May 15 of each year The President shall notify, in writing, all recipients of promotion and tenure awards **Copies will be provided to the appropriate deens, the Director of Intercollege Research Programs, campus directors, and the Office of Personnel Administration.**

C. **Nomination Process and Development of the Dossier**
   1. **Faculty members will be reviewed for promotion only etter having first been nominated in one of the following ways:**
      a. **Normally by an appropriate academic administretor;**
      b. **A person may be nominated by the initial peer review committee after the committee hes consulted with the appropriate administrative officer.**

      With respect to nominations from the Commonwealth Campuses, directore end deens should confer with each other regerding proposed nominations.
   2. **In the case of University Park candidates for promotion end/or tenure, department heads shall heve responsibility for the development of the dossier. For faculty members on a Commonwealth Campus, development of e candidete's dossier is the responsibility of the Associate Director for Academic Affeirs or the Assistant Director for Resident Instruction.**
   3. **A standerd format for organizing the materiel in the doeslers shall be used by all academic units. Supplementel support materiels (books, reprints, syllebi, etc.) shall be retelned by the initial administretor end/or review committee end not forwerded with the doseler unless requested by those responsible for the next level of review. Deens and campus directors have received copies of the format which shell be required for 1976-77. It is the responsibility of the deens and directors to inform faculty members and administrators in their respective areas of the format.**
   4. **All committees and administrators who have previously reviewed a candidete's dossier shelt be informed if any factuel changes ere subsequently made in the original materiele. Committees and administrators shell not receive the written statements of evaluetion end recommendations made at subsequent review levels. Throughout the process, however, the privacy rights of individual candidetes shall be respected.**
   5. **All external letters of reference shell be obteined by the relevant dean and included in the candidete's dossier. External letters are expected for ell candidates for professor and/or tenure but are optional for candidetes at the associate professor level.**

D. **Evaluetive Role of Committees**
   1. **All individuals and committeee responsible for evelueting a given candidate shall have the seme factual record evailable.**
   2. **Department heads, campus directore, and deens should collaborate with their reapective committees to essure that ell individuals on the committees ere well informed about each candidete. Although it is not required, such administrators may serve as resource persons to those review committees representing the units for which they have reponsibility; however the administretore and the committees shell render independent judgments of the candidates under review.**
   3. **Each review committee end each administretive officer shall summerize in writing their independent evaluetion of e given candidate on each of the four general criterie. Theee evaluative statements, along with the recommendetions, shelt be inserted in the candidete's dossier.**
4. **For candidates being considered for tenure, a summary of the first, third, and fifth year reviews shall be included in the doseler by the campus, department, and college administretore.**
5. **Each succeeding level (locus) has the responsibility to review the preceding committee and administrator statements concerning each of the candidete's qualifications and the documentation. However, particular emphesis should be given at each of the review levels as follows:**
   e. **Campus (Programmatic)**
      (1) **For Commonwealth Campus faculty members: evaluetion of teaching ability and effectiveness.**
      (2) **For Commonwealth Campus faculty members: evaluation of service to the University and to the public.**
   b. **Department (Programmetic)**
      (1) **For University Park faculty membera: evaluation of teaching sbility and effectiveness.**
      (2) **For Universlty Park and Commonwealth Campus faculty members: research competence.**
      (3) **For University Park and Commonwealth Campus faculty membars: scholereihp and mastery of subject matter.**
      (4) **For Universlty Park and Commonwealth Campus faculty membera: service to the University and to the public.**
   c. **Cottege: the college committee(s) review(s) department and/or campus recommendations for promotion end tenure in fight of:**
      (1) **College criteris;**
      (2) **Quality of documentetion;**
      (3) **Equlty emong departments; and**
      (4) **Procedurel fairness.**
   d. **Universlty: the University committee reviews all previous recommendations for promotion end tenure in fight of:**
      (1) **Universalty criterie relsted to teaching abllity and effectiveness, research competence, scholarehip and mastery of subject matter, end service to the Universlty and to the public;**
      (2) **Quality of documentetion;**
      (3) **Equity within end among colleges; end**
      (4) **Procedurel fairness.**
6. **Faculty members e ether Behrend College, Capitol Campus, or at Hershey will be reviewed ualng procedures eimlier to thoae for faculty et University Park.**
7. **Although a candidate's age end time-in-grade are not absolute criteria for promotion, it is incumbent on the relevant administrator(e) to provide persuasive documentation to justify the promotion of e faculty member in instances that diverge in any significant wey from the normal promotion pettern for a department, campus, or college — thus, the ehorter the time served in en ecedemic rank, the etronger the justification required for promotion to the next ecademic rank.**

Faculty notes

Dr. Thomas B. King, associate dean for extension and professor of animal science, has been named president of the American Society of Animal Science. The 4,500-member professional organization includes teaching, research, and extension faculty in all 50 states. Dr. King previously served as president-elect of the group. He has been associate dean for extension since 1971 and prior to that was head of the Department of Animal Science for five years and Extension livestock specialist and chairman of the Extension animal science section. Dr. King earned his B.S. and M.S. degreas at Penn State and his Ph.D. at the University of Illinois.

Dr. John H. Riew, professor of economics, gave testimony on "Federal Revenue Sharing: Distributional Pattern in a Metropolitan Area" before a subcommittee of the Committee on Government Operations, U.S. House of Representatives. His testimony is included in "State and Local Fiscel Assistance Act (General Revenue Sharing)" published by the U.S. Government Printing Office.

Dr. Jacqueline G. Walls, assistant professor of mathematics at McKeesport, has been named acting associate director for academic ettairs at the campus. She succeeds Dr. Richard J. Thomas who resigned. A graduate of the University of Pittsburgh, Dr. Wells also received her M.S. and Ph.D. in mathematics there. She joined the McKeesport Campus faculty in 1964.

Dr. Anthony Cutler, professor of art history, was invited to read the main paper on manuscript illumination in the art and archeology section of the Fifteenth International Congress of Byzantine Studies held in Athens, Greece, last week Dr. Cutler discussed the principles underlying his "Corpus of Aristocratic Psalters," a two-volume work now in preparation. Earlier this year, Penn State's Press published Dr. Cutler's racent book, "Transfigurations Studies in the Dynamics of Byzantine Iconography."

Dr. William A. Steele, professor of chemistry, has been appointed to a three-year term on the board of editors of the Journal of Chemical Physics effective Jan. 1. Dr. Steele also serves on the editorial boards of Advances in Colloid and Interface Science and the Journal of Physical Chemistry.

Dr. Joseph Peone Jr., former dean of science and engineering technology at Broome Community College, Binghamton, N.Y., has been named associate director of academic affairs at the Wilkes-Barre Campus. A graduate of Albany State Teachers College with a B.S. and M.S. in chemistry, Dr. Peone received his Ph.D. in that field from Clarkson College of Technology. Author of numerous articles in scientific and educational journals, Dr. Peone has conducted research on the activities of small molecules in transition metal complexes.

Dr. Kenneth S. Clarke, head of Health Education, presented a paper on "Calculated Risk and Health Behavior" at the 9th International Conference on Health Education at Ottawa, Canada, last month.

Dr. Walter B. Weimer, associate professor of psychology, is the author of a book chapter titled "Manifestations of Mind: Some Conceptual and Empirical Issues." The book, "Consciousness and the Brain: A Scientific and Philosophical Inquiry," is published by Plenum Press, New York, N.Y.

Dr. Ronald W. Linker, associate professor of European history, is author of the chapter, "Irish Penal Laws of the Eighteenth Century," in the book, "Conflict in Ireland," edited by Eileen A. Sullivan and Harold A. Wilson of the University of Florida

Dr. Gerald M. Moser, professor of Romance languages, is the author of e book chapter titled, "Luis Barnardo Honwana's Place among the Writers of Mozambique," for the book, "A Celebration of Black and African Writing."

Obituary

Charles Samuel Wyand, 69, vice-president emeritus for development, died Sept. 9. He had retired in 1967, completing 36 years of service as a teacher and administrator with the University. A Penn State graduate, he earned a B.A. in 1929 and an M.A. in 1934. In 1931, he was hired to teach economics, and he did research in the field of consumption, with special reference to pricing problems. In 1946, he transferred from academic to administrative duties when he was named by the late President Ralph D. Hetzel to the new position of assistant to the President. He was named vice-president for development in 1957.

Appointments

Dr. Malcolm B. Carpenter as professor of anatomy and medicine at Hershey. B.A., Columbia U.; M.D., Long Island College of Medicine Formerly faculty member at the College of Physicians and Surgeons.

Milton W. Cole as associate professor of physics. B.A., Johns Hopkins U.; M.S. and Ph.D., U. of Chicago. Former associate professor at Brooklyn College.

Neill H. Ackerman as assistant professor of math at Berks Campus. B.S., Upsala College, M.S. and Ph.D., Lehigh U.

A. Toni Cohen as assistant professor of computer science at Delaware County Campus. B.A., Mt. Holyoke College; M.S. and Ph.D., U. of Delaware.

William G. Espersen as assistant professor of chemistry at Altoona Campus. A.B., Gettysburg College; Ph.D., U. of Rochester Former assistant professor at George Mason U.

James W. Heich as assistant professor of anthropology. B.A., U. of Georgia; M.A. and Ph.D., Penn State. Former supervisor at the Field Museum of Natural History.

Charles T. Fullon as assistant professor of mathematics. B.A., U. of Redlands; M.S., U. of Minnesota, D.Sc., Rhein.-Westf. Techn. Hochschule. Former visiting assistant professor at U. of New Mexico.

Nora S. Newcombe as assistant professor of psychology. B.A., Antioch College; Ph.D., Harvard U.

John A. Riddiford as assistant professor of military science at Delaware County Campus. A.B., Brown U.; A.M., Penn State. Recently selected for promotion to Lieu-

(Continued on page four)

University Park Calendar

September 16–26

Items to be included in this calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special events

Friday, Sept. 17
Sports: Soccer, vs. Trenton State, 7 p.m.
GSA Coffeehouse, 8 p.m., Room 102 Kern.
Artists Series, Leonard Rever, organ, 8:30 p.m., University Auditorium.

Saturday, Sept. 18
Sports: Football, vs. Ohio State, 3:20 p.m.

Sunday, Sept. 19
Chapel Service, 11 a.m., Eisenhower Chapel. Robert Boyer, Campus Minister, United Campus Ministry.
Black Christian Fellowship worship service, 11:15 e.m., Eisenhower Chapel.

Rev. Yaw A. Awusu, Steta College.
Free U. Fall Term registration, 1-9 p.m., HUB lunroom.
Monday, Sept. 20
Color Slide Club, 7:30 p.m., Room 112 Kern.
Opening reception, New Faculty Exhibition, 7:30 p.m., Zoller Gallery.
Tuesday, Sept. 21
Comp Lit Luncheon, 12:15 p.m., Faculty Club. Harvey Wiener, English, on "Renaissance Science and the Poet es Liar."
Wednesday, Sept. 22
Five O'Clock Theatre, "Atlantic City Dreams," 5 p.m., Pavilion Theatre.
African Studies Forum, 8 p.m., Room 101 Kern. Dr. Anthony V. Williams, geography, on "Problems and Trends of Rural Development in Nigeria."
Alerd String Quertet, 8:30 p.m., Music Bldg. recital hell.
Thurzday, Sept. 23
Five O'Clock Theatre, "Atlantic City Dreams," 5 p.m., Pavilion Theatre.
English Colloquium, 7:30 p.m., Room 101 Kern. Michael Holroyd, "Adventures of a Biographer."
Valeria Ferrone, violin, 3:30 p.m., Music Bldg. recital hell.
Artists Series, "Equus," University Auditorium. Matinee at 3 p.m., evening performance at 8.30 p.m.
Friday, Sept. 24
Sports: Soccer, vs. Hartwick, 7 p.m.
Five O'Clock Theatre, "Atlantic City Dreams," 7 p.m., Pavilion Theatre.
GSA Coffeehouse, 8 p.m., Room 102 Kern
Saturday, Sept. 25
Sports: Men's cross country, vs. Villanova, football, vs. Iowa, 1:30 p.m.
Sunday, Sept. 26
Sports: Cross country, Lady Lion Invitational, 1 p.m.
Chapel Service, 11 a.m., Eisenhower Chapel. Helen Wise, Penn State trustee.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Pastor Gerald G. Loyd.

Seminars

Thursday, Sept. 16
Agronomy, 8:15 e.m., Room 309 Tyson. T. Simpson, "Soil Mottling as an Indicator of the Seasonal Water Table."
Naturel Disesters, 2:20 p.m., Room 302 Mineral Industries. Karl V. Steinbrugge, Pacific Regional Office, Insurence Services Office, on "Earthquake Hazard and the Effects of Building Codes."
Monday, Sept. 20
Genetics, 3.55 p.m., Room 108 Tyson
Biochemistry and Biophysics, 4 p.m., Room 101 Althouse. Dr. J. S. Anderson, biochemistry, University of Minnesota, on "Involvement of Polylsoprenolds in the Synthesis of Polysaccherides and Glycoproteins."
Tuesday, Sept. 21
Biochemistry end Biophysics, 11 a.m., Room 101 Althouse. Dr. J. S. Anderson on "Biosynthesis of Teicruronic Acid of 'Micrococcus Isodelkticus' Cell Walls."
Natural Disesters, 2:20 p.m., Room 302 Mineral Industries. Michael R. Lynch, agriculture, on "Role of Penn State Cooperative Extension Services as Related to Disasters."
Air Pollution Control, 2:20 p.m., Room 140 Fenske. Thomas A. Di Lazaro, Pa. Bureau of Air Quality and Noise Control, on "The Pennsylvania Department of Environmentel Resources."
Engineering Science and Mechanics, 4 p.m., Room 206 Hemmond. Dr. Hong Thomas Hahn, Research Institute of Dayton, on "Mechanics of Composite Materiels."
Thursday, Sept. 23
Agronomy, 8:15 a.m., Room 309 Tyson. Dr. K. Wilkensen, "World Food and Population: A Sociologist's View."
Chemistry, 12:45 p.m., Room 333 Whitmore. John B. Strothers, University of Western Ontario, on "Applications of ^{13}C and ^{2}H Magnetic Resonance to Structural and Mechanistic Problems."
Natural Disasters, 2:20 p.m., Room 302 Mineral Industries. Michael Glanz, NCAR, on "Nine Fallacies ot a Natural Disaster."
Meteorology, 4 p.m., Room 26 Mineral Sciences. Michael Glanz, NCAR, on "The Social Value of Long Renge Climate Forecast."
Friday, Sept. 24
College of Science, 1:30 p.m., Room 320 Whitmore. Manuel S. Berbelto, Office of Research Safety, National Cancer Institute, NIH, on "Equipment, Operations and Disposal Techniques for Handling Chemical Carcinogens and Infectious Microorganisms."

Exhibits

Museum of Art: Americen Peintings and Furniture from the Permanent Collection, Gallery A. Selections from the Permanent Collection, Gallery B. Recent Work by Stephen Porter, Gallery C.
Zoller Gallery: Exhibition by new feculty members of the Department of Art, through Sept. 22. Graduate Student Exhibition, opening Sept. 25.
Chambers Gallery: 13 Harrisburg Area Artists — Drawings, Paintings, Sculpture, through Sept. 25.
Hetzel Union Bldg. Gallery: Through Sept. 25: Joanne Gigliotti-Valli, Batiks and Prints; Laveta Butler, Ceramics; Ralph Praesent, Graphics; Dick Brown, Sports Photography.
Museum of Art-HUB Gallery: Selections from the Museum's Permanent Collection.
Kern Gallery: Dale Wagner, Graphics, through Sept 25. Renaissance Group Exhibition, multi-media, opening Sept. 26. Judi Kellas, Prints. Group Exhibit, Students in Ceramics (Display Cases).

University schedule

Thursday, Sept. 16
Add deadline.
Thursday-Friday, Sept. 23-24
File for Pass/Fail.

Meetings

Monday, Sept. 20
Bridge Club, 6:30 p.m., Room 301 HUB.

Tuesday, Sept. 21
GSA Council, 7 p.m., Room 101 Kern.
Wednesday, Sept. 22
Chess Club, 7 p.m., HUB gameroom.

Films

Tuesday, Sept. 21
Artists Series Hitchcock film festival, "The Lodger" and "Easy Virtue," 8 p.m., University Auditorium.
Wednesday, Sept. 22
GSA Commonsplace Theatre, "Fury," 7:30 and 9:30 p.m., Room 112 Kern.

Elsewhere in academe

Record enrollments

Colleges and universities across the country appear to be enrolling a record number of students, according to The Chronicle of Higher Education. The federal government's National Center for Education Statistics projects a total enrollment of 11,693,000 full-time and part-time students this fall, a 12 month increase of 4.5 percent or a half-million more than last fall's surprisingly large enrollment.

Financial problems

A study commissioned by Change Magazine has found that almost half of the nation's institutions of higher learning are in a "less than healthy" fiscal state, while some 300, or 14 percent of the total, approach insolvency end may not survive without aid. The findings indicate that financial problems are not confined to any single type ot institution. While the plight of the private colleges may have been more widely publicized, an increasing number ot publicly financed institutions have drifted into deep budget trouble.

Grade-point averages drop

Arvo E. Juola, professor of learning and evaluation services at Michigan State, has reported that surveys taken at 135 colleges and universities show a decline in grade-point averages — from a peak of nearly 2.77 in 1974 to 2.74 in 1975. In his analysis ot the drop, Prof. Juola noted a new concern in the colleges over grade inflation. Although the decline was slight, Prof Juola believes "It is significant that this decrease . . . represents a marked change from the pattern of successive increases since 1965 and perhaps since 1960." (The grade-point average in 1965 was 2.44.)

CUNY budget cut

City University ot New York opens its fall term next week as a tuition-charging institution. It also will have 32,294 fewer students than last tall. And despite the increased revenues it will enjoy from tuition income (amounting to $63.2 million), its overall budget has been dacreased by nearly 8 percent.

WPSX highlights

"If I painted only what I wanted to paint, people would run away from me," says William Kurelek, a former mental patient whose nightmarish works of art can be found in museum collections and private collections in several countries. Kurelek is the subject of "The Maze, The Story of William Kurelek" at 9:30 p.m. on Friday, Sept. 17. The half-hour special is a "living" case history that uses Kurelek's own narration of events leading up to his confinement in a British mental hospital and his subsequent recovery.

On Sunday, Sept. 19, at 2 p.m., WPSX-TV will present full, recorded coverage of Saturday's Penn State-Ohio State football game with play-by-play announcer Ray Scott. Analysis of key plays by Coach Joe Paterno, interviews with Penn State players, and a scouting report, will be featured on **TV Quarterbacks** at 8 p.m. on Wednesday, Sept. 22.

The Adams Chronicles, the Emmy-winning dramatic series that explores American history from 1755-1900 as lived by John and Abigail Adams and their descendants, returns to Channel 3 at 8 p.m. on Monday, Sept. 20.

Beverly Sills stars in a new production of Verdi's "La Traviata" on **In Performance at Wolf Trap** at 9 p.m. on Monday, Sept. 20. Recorded during a live performance at the Wolf Trap Farm Park for the Performing Arts, the program features Richard Fredricks and the Filene Center Orchestra, with Julius Rudel conducting.

"Six Characters In Search of an Author," Luigi Pirandello's classic drama about reality versus illusion, is featured on **Hollywood Television Theatre** at 9 p.m. on Thursday, Sept. 23. Directed by Stacy Keach, the new television production stars John Houseman, Andy Griffith, Julie Adams and James Keach.

Appointments

(Continued from page three)

tenent Colonel in the U.S. Army.

Larry R. Schwartz as assistant professor of sociology. B.S., Penn State; M.S.W., Rutgers Graduate School ot Social Work; Ph.D. candidate at Columbia. Former director of professional service for the Jewish Family Service of Trenton.

Dr. Edward Schwenteker as assistant professor of surgery at Hershey. B.S., Haverford; M.D., Johns Hopkins U. He will also serve as chief of surgery end director of surgical rehabilitation at Elizabethtown Hospital for Children and Youth.

John E. Tyworth as assistant professor of logistics. B.A., U.C.-Santa Barbara; M.B.A. and Ph.D., U. ot Oregon. Former assistant professor at Calif. Poly. State U.

Paul A. Zawadzki as assistant professor of speech communication. B.S., Canisius College; M.A., U. ot Kansas; Ph.D. candidate at the U. of Iowe.

Dr. Edward H. Williams as assistent professor of surgery at Hershey, B.A., Lehigh; M.D., U. of Pannsylvania.

Peter J. Bachmann as instructor in education at Gannon County Campus. B.S., Villanova; M.A., Swarthmore; Ph.D. candidate at Penn State. Former administrative assistant at Drexel U.

Monte S. Bedford as instructor in music. B.A. and M.S., U. of Wisconsin.

James R. Condry as instructor of civil engineering, B.S.C.E., and M. Engineer, Texas A. & M. U. Former traffic engineer for the City of San Antonio.

Paul C. Hoffman as instructor of civil engineering. B.S., U. of Screnton; B.S. and M.C.E., Villanova U.

Deborah F. Hunter es instructor in speech communication at Delaware County Campus. B.S. and M.A., Penn State. Former instructor at Ogontz Campus.

Thomas L. Mank as instructor ol electrical engineering. B.S.E.E. and M.S.E.E., Penn State. Former systems engineer for General Electric.

John R. Terrell Jr. as instructor in accounting at Delaware County Campus. B.A., Johns Hopkins U.; M.B.A., Wharton School at U. of Pennsylvania. Former accountant in Philadelphia.

Philip C. Lootens as research assistant in animal science. A.S., Waubonsee Community College; B.S. and M.S., Southern Illinois U.

Shawn M. Glynn as lacturer in education. B.A., LaSalla College; M.S., Penn Stata.

Funding opportunities

(240-1) The Office of Education has announced a Nov. 5 closing date for **Fulbright-Hays Training Grants,** including Faculty Research Abroad, Doctoral Dissertation Research Abroad, Group Projects Abroad, and Foreign Curriculum Consultants. (Rel. 41FR30661-62, 8/28/76) (CFDA 13.428/430/440/441)

(240-2) The OHEW Office of Human Development has issued proposed regulations for the **Developmentel Disabilities Program,** including discretionary grants program for university affiliated facilities for demonstration and training and for construction. Comments are requested by Oct. 12. (Rel 41FR36581-97, 8/30/76) (CFDA 13.627/631/632)

(240-3) Fellowships in creative writing are offered **for women** in all academic and professional fields are supported by the Radcliffe Institute. Applicants are made as Fellows at the Institute and the maximum stipend for 1976-77 is $12,000 Application deadline is Nov. 1. Contact: Radcliffe Institute Fellowship Program, 3 James St., Cambridge, Ma. 02138 (617-495-8211).

(240-4) The OHEW Office of Education has issued guidelines for the **College Work-Study Program,** including institutional applications and funding criteria. (Rel. 41FR30871-95, 9/17/76) (CFDA 13.483)

(240-5) Faculty Development Projects in Energy will be supported by the *Energy Research and Development Administration* for faculty institutes, short courses, conferences, workshops, symposia, meetings and seminars. Support is available for both operating costs and participant support. Application deadline is Oct. 15.

Staff vacancies

Staff vacancies in this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in the INTERCOM may be found in the Penn State REPORTER. All University employees who are interested in promotion may apply by calling the Employment Division, 865-1367 (network Line 475-1367). Applications for those staff vacancies will be received until 5 p.m., **Sept. 23, 1976. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

CIVIL ENGINEER, OFFICE OF PHYSICAL PLANT — University Park

Responsible to the Manager, Architectural Design and Engineering, for surveying, developing estimates, designing of earthen structures, steel and concrete structures, storm drainage systems, etc., and for the performance of all necessary functions. Bachelor's degree, or equivalent, in engineering plus one to two years of directly related experience required. Must be a registered surveyor

From the Trustee docket

Committee meetings opened

By a 14 to 13 vote, Penn State's trustees voted to open their standing committee meetings to the public and the press. The three committees affected are Finance, Physical Plant and Educational Policy.

Following passage of Pennsylvania House Bill 124, the so-called Sunshine Act, the Board voted to open its meetings in July, 1974, but decided against opening committee meetings. Last January, the trustees deadlocked on the issue.

Voting for opening committee meetings last Friday were: Dr. Oswald; William Ulerich, board president; and trustees, Jesse Arnelle, Michael Baker Jr., Marian Barash, Helen Devies, Barbara Franklin, Maurice K. Goddard, Kenneth Holderman, John Pittinger, Robert Ruttenberg, Charles W. Shaeffer, Dion Stewart and Helen Wise.

Voting against open committee meetings were: Walter J. Conti, H. Thomas Hallowell, Samuel F. Hinkle, J. Lin Huber, John M. Phillips, John R. Pitzer, John L. Romig, Stanley G. Schaffer, G. Albert Shoemaker, J. Luther Snyder, Harry R. Ulrich, J. Lewis Williams and Quentin Wood.

Absent trustees were Harry Boyer, Ralph Hetzel, Raymond Kerstetter, Joseph Rhodes Jr. and Gov. Milton Shapp.

WPSX gets antenna

University trustees approved final plans for construction of a satellite antenna that would enable WPSX-TV, the educational television station of the University, to participate in a new distribution system of programs from the Public Broadcasting Service (PBS).

David L. Phillips, director of broadcasting, explains that the Corporation for Public Broadcasting will terminate the ground-based network operated by PBS and turn to a communications satellite for distribution of national program offerings. The new system will provide up to four channels while, with the ground-based network now in use, the Penn State station has access to only one program at a time.

"The educational value of the additional channels rests in the increased diversity of the programs to be available to member PBS stations," Mr. Phillips explains. "It also makes possible sharing of more specialized programs among smaller groupings of stations across the country without disrupting the regular national service. An example might be feeding a credit course to university stations while metropolitan stations carry a program relevant to their metropolitan problems."

The ground station antenna, which must be within 500 ft. of the control room or other reception area of the station and must have an unrestricted view path of the satellite arc, will be constructed south of Wagner Bldg., where the WPSX-TV studios are located. The ground station with antenna will be about 40 ft. in height.

While the total cost of the satellite antenna and ground station will be about $150,000, the University will pay only a one-time charge of $25,000 to participate in the communications satellite network. A total of $10,000 of that amount will be provided by Kiesge Foundation in a special grant to the University as part of a nationwide grant program in support of the satellite project. The remaining $15,000 will be paid from contracts and grants to the University that are specified for use in public broadcasting. The balance of the $150,000 cost will be paid by the Corporation for Public Broadcasting.

Ag division discontinued

The Division of Plant Science and Industry in the College of Agriculture will be discontinued in an organizational revision designed to simplify administrative and logistical procedures in that area.

The change, approved at last Friday's meeting of the Board of Trustees and effective immediately, provides for continuation of the plant science major, which will be monitored by a small committee of faculty members representing each of the departments formerly in the division.

The arrangement, according to Agriculture's dean, Dr. James M. Beattie, parallels that developed for the environmental resource management inter-departmental major, where it has proved to be an effective and efficient mechanism for overall supervision.

Dean Beattie emphasized that the majors in plant sciences will continue to receive the same kind of administrative support from the department heads, associate deans, and the dean as is presently given to all majors. Research and extension functions will continue to operate among faculty on an individual project basis.

The Division of Plant Science and Industry was established in 1961 to coordinate instruction, research and extension activities in the plant science area, including the Departments of Agronomy, Horticulture, Plant Pathology, and the School of Forest Resources. It was chaired by the head of one of the departments of the division.

Over the years, the division was primarily involved with instruction, and since three of its four departments had their own majors, the division was principally concerned with the plant science major.

Air conditioning approved

Final plans for air conditioning portions of six buildings heavily used for summer instruction at University Park Campus have won trustee approval. The buildings are Willard, Rackley, Hammond, Sackett, Chandlee and Pattee library. The project will be completed by the State Department of General Services, and the project allocation is $3,000,000.

Fayette plans okayed

Revised final plans for the interim recreation and convocation building to be constructed at the Fayette Campus have received trustee approval, and authorization was given also for the requesting of bids and the awarding of contracts. The steel building will provide approximately 9,600 square feet of open space for physical education classes and recreational use, and 1,800 square feet of office, storage, and restroom space. The construction allocation amounts to $366,500, and the funds for the project will be provided through the Fayette Campus Advisory Board by the Fayette County Commissioners.

Stadium to be enlarged

Penn State's trustees have approved plans to increase the seating capacity of Beaver Stadium to 76,017 for the 1978 football season, an increase of approximately 16,000.

The Board also authorized design only of an additional 20 rows of seating at the south end of the stadium for bidding as an alternate.

The action was taken to be responsive to increased public and student demand for tickets to the University's home football games. Tickets for the six home games at Beaver Stadium are already sold out this year and the trustees' decision to expand was based not only on current demand but on anticipated longer range demand.

No tuition, state or federal funds will be used to finance the new construction.

"It will be financed," according to President Oswald, "exclusively from current and in particular, future income sources available to the Department of Intercollegiate Athletics, such as gate receipts, including revenue from the newly added seats, and radio and television income."

The University plans to pay off the new construction in 10 to 15 years.

The Board also selected Michael Baker, Jr., Inc., of Beaver, consulting engineering firm, which in 1958 planned the moving and reconstruction of the stadium, to prepare detailed estimates, specifications and drawings for review by the Board.

Final approval of the plans by the Board and bidding of the contract are expected in the spring of 1977. It is hoped that the actual construction can begin following the last home game of the 1977 football season, with completion prior to the 1978 season.

The construction will be completed in four stages: (1) lifting the existing North, East and West Stands a minimum 12 feet; (2) adding 20 rows of concrete stands in front of the raised stands; (3) replacing the temporary bleachers in the South end zone with 20 rows of concrete stands and 20 rows of steel stands; and (4) rebuilding the press box to extend it along the West Stand, including replacement of the present elevator, now nearing obsolescence.

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PENN STATE
intercom
Volume 5, Number 49 September 23, 1976



Chapel addition is at left of building.

Chapel dedication tomorrow

Dr. Milton S. Eisenhower, Penn State's president from 1950 to 1956, returns to the campus on Friday, Sept. 24, to participate in the dedication of program facilities of the Helen Eakin Eisenhower Chapel at 10:30 a.m. in the Chapel courtyard.

Dr. Eisenhower now lives in Baltimore, Md., having retired from the presidency of The Johns Hopkins University. Prior to his appointment at Penn State, he was president of Kansas State University. The chapel was named for his wife, Helen Eakin Eisenhower, who died on July 10, 1954.

The dedicatory program will include remarks by President Oswald; reflections by Dr. Luther H. Harshbarger, professor of humanities and religious studies and a participant as University chaplain and coordinator of religious affairs in the dedication of the original unit; and acceptance by Dr. James A. Rhodes, director of religious affairs.

Ground for the chapel was broken on Feb. 22, 1955, as one of the events of the Centennial celebration of Penn State. On June 11 of that year, President Dwight D. Eisenhower laid the cornerstone, returning Sept. 9, 1956, for a private family service that was followed by a formal dedication on Sept. 16, 1956.

The initial structure, financed with the gifts of students, alumni, and friends, includes the all-faith chapel seating 175, a small Roman Catholic meditation chapel, and the program unit, consisting of offices, activity rooms, the memorial lounge and an inter-faith library.

The new unit to be dedicated has meeting rooms, a lounge area and offices for the religious counseling program, with a large multi-purpose room located below the courtyard level. Built at a cost of $900,000, it was made possible by gifts from friends of the Eisenhower family and from religious groups.

News in brief

Union to vote Sept. 30

State Mediator William J. Smith announced Thursday that final understanding had been reached between the University and Teamsters Local 8 regarding the University proposal the Union is taking to its membership for a vote on Thursday, Sept. 30. Mr. Smith stated that the Union has indicated that it will recommend acceptance of the proposal. He said that no details of the proposal will be released publicly, however, until the membership has had an opportunity to hear the proposal and vote on it.

French adds business option

A major in French with an option in business has been approved to introduce French majors to principles and practices of business administration. According to Dr. Richard L. Frautschi, professor and head of the Department of French, the new program combines an exposure to managerial processes with foreign language competency and prepares students for positions in business areas in which a knowledge of French is mandatory.

Film, theatre majors set up

Two options, film and theatre, have been established as majors in a revision of the major in theatre arts. Both will lead to a B.A. degree, says Dr. Walter H. Watters, dean of the College of Arts and Architecture.

The major in film is structured to provide a balance between the areas of history, criticism, writing and production and will serve the needs of students preparing to enter the film or television industry, to become independent filmmakers, to enter other fields involving film, or to enter graduate school with an ultimate goal of a career in film criticism, film journalism or film education.

The new major in theatre is designed for the student with a broad or multiple interest in the theatre arts. It offers an opportunity to take courses in all areas of the theatre as well as to prepare an area of concentration.

Ag revises four majors

Four revised academic majors have been established in the College of Agriculture, all of them leading to the bachelor of science degree. The majors involve revision of existing programs, says Dr. James M. Beattie, dean of the College, and therefore it has been possible to establish them without additional funding and within current budget allocations.

The new majors in animal production and in dairy production replace a major in animal industry, and they will be administered by the Department of Dairy and Animal Science. The animal production major provides an integrated program of study in the areas of production and management of beef cattle, horses, sheep and swine, while the dairy production major will meet the needs of students seeking

(Continued on page four)

PENN STATE COLLECTION

Faculty notes

Dr. Harlan E. Hoffa has been named head of the Division of Art and Music Education. The new division is one of six established under the College of Education reorganization plan.

Dr. Hoffa has served as professor of art education and head of the Department of Art Education since 1970. He previously was professor of education and fine arts and chairman of the art education program at Indiana University at Bloomington. From 1964 to 1967, he was the art education specialist with the arts and humanities program in the U.S. Office of Education. Dr. Hoffa began his career as an art teacher in the Evenston, Ill., public schools. He has also taught at Ohio State, SUNY at Buffalo, and Boston University.

A native of Detroit, Mich., he received his B.S. and M.Ed. degrees in art education from Wayne State University and a D.Ed. in art education from Penn State.

Dr. Janet A. Williamson, associate professor of nursing, has been appointed head of the Department of Nursing in the College of Human Development.

A member of the University faculty since 1970, she was previously on the faculty at Geisinger Medical Center, Florida State University and Baylor University School of Nursing. She has had extensive experience in nursing practice. Dr. Williamson graduated from the Geisinger Hospital School of Nursing and Wilkes College. She received her M.A. in biophysical pathology from New York University and a Ph.D. in educational administration at Penn State.

A former professor in charge of the undergraduate program in nursing, Dr. Williamson has served as a consultant in nursing practice and nursing education. She has been active in continuing education in nursing throughout the State and is the author of articles in professional journals and of several books in the nursing field.

Dr. Frederick H. Wood Jr., former professor of secondary education at the University of Nebraska, has been appointed head of the Division of Curriculum and Instruction in the College of Education. The new division is one of six established under a reorganization plan approved in July by the trustees.

Dr. Wood, a native of LaPorte, Ind., received his B.A. and M.A. from Western Michigan University and a D.Ed. from the University of Missouri. He taught at the elementary, junior high and high school levels and served as school district director of secondary education and assistant superintendent. At the University of Nebraska, he coordinated interdepartmental research projects to evaluate the effects of individualized programs on achievement, school climate and cost. He also developed an Individually Guided Education service agency, which is providing services to Nebraska public schools. Dr. Wood has consulted extensively with secondary and elementary schools throughout the country on the development of individualized learning programs and is the author of numerous articles in professional journals.

Dr. Archie K. Loss has been appointed head of the Division of Arts and Humanities at the Behrend College.

A former member of the Behrend College faculty, Dr. Loss was graduated from Millersville State College with a B.S. in English. He received his M.A. and Ph.D. degrees, both in English, from Penn State and was appointed an assistant professor of English at Behrend in 1970. Since 1972 he has been assistant professor of English at Wayne State University. Dr. Loss, whose research interests center on the work of James Joyce, has written articles for professional journals and presented papers at the First and Fifth International James Joyce Symposiums, held in Italy and France in 1971 and 1975.

Two members of the Department of French presented papers recently at meetings. **Dr. Richard L. Frautschi,** professor and head of the department, presented a paper, "The Use of Computers for Author Attribution. An Example from the Encyclopedie," at a symposium on Quantitative Methods in the History of Science at UC—Berkeley Aug. 27. **Prof. Gerard J. Brault** presented a paper, "Les Dessins du Ruolantes Liet et l'Interpretation de la Chanson de Roland," at the meeting of the Congres International Rencesvals in Liege, Belgium, Sept. 2. He was also reelected vice president of the society.

Dr. Robert J. Bresler, associate professor of political science at Capitol Campus, coauthored e paper, "The Bargaining Chip and Salt," which was presented at the American Political Science Association meeting in Chicago on Sept. 4.

Dr. Patricia A. Ward, associate professor of French and comparative literature, has published an article, "Anne Sexton's Flowing Toward God" in the Aug. 27 issue of Christianity Today.

Dr. John A. Waldhausen, professor and chairman of surgery, served as visiting professor Aug. 2 to 4 at the surgical clinic of the Technical University of Munich, where he gave a lecture on "The Surgical Management of Coronary Artery Disease." On Aug. 5 he was visiting professor at the Great Ormond Street Hospital for Sick Children in London, where he spoke on "Reconstruction of the Right end Left Ventricular Outflow Tract Using Valved Conduits."

Leslie P. Greenhill, professor of education and assistant vice president for academic services, served as session chairman for the 30th Congress of the International Scientific Film Association which met at Drexel University in Philadelphia in August. A Penn State film, "Activity Characteristics of Gibbons, Part III, Social Behavior," produced by the late Dr. C. R. Carpenter, was selected for showing at a main session. "Ax Fight," a film co-authored by Dr. **Napoleon Chagnon,** professor of anthropology, received a diploma of honor. Dr. Greenhill also served as organizer of the Annual International Board Meeting of "Encyclopaedia Cinematographica," which was held at the University in August. The "Encyclopaedia Cinemetographica" is a unique collection of some 2,000 scientific films, most of which are available on loan through the University's Audio Visual Services.

"Morning Light," an etching by **Linda Plotkin,** assistant professor of art, has been acquired for the permanent collection of the Cleveland Museum of Art. The print is one of a group of new etchings and lithographs created by the artist on a residency fellowship at the MacDowell Colony, Peterborough, N.H., in the spring. "Morning Light" is currently included in an exhibition of prints at the Jane Haslem Gallery in Washington, D.C.

Dr. William W. Reynolds, assistant professor of biology at Wilkes-Barre, and **Dr. Jerry B Covert,** associate professor of biology at Hazleton, presented two co-authored papers at the Third International Symposium on Physiology of Thermoregulation in Banff, Alberta, Canada, Sept. 12-17. Dr. Reynolds delivered a paper entitled "Behavioral Fever in Aquatic Ectothermic Verlebrates." Dr. Covert's paper was entitled "Immune Responses and the Adaptive Value of Behavioral Fever in Fish." Dr. Reynolds has also recently been appointed to the editorial board of the Transactions of the American Fisheries Society as an associate editor.

Dr. John J. Docherty, associate professor of microbiology, presented a paper at the National Institutes of Health, Bethesda, Md., at the Enzyme-Linked Immunosorbent Assay Meetings Sept. 9-10. His paper was titled, "Herpes Simplex Virus Specific Antibodies in Human Sera Detected by the Indirect Enzyme Linked Immunosorbent Assay (ELISA)."

Dr. Francis M. Dwyer Jr., senior research associate in the College of Education and coordinator of the Office of Instructional Evaluations in the University Division of Instructional Services, has been elected president-elect of the Research and Theory Division of the Association for Educational Communications and Technology (AECT). The Research and Theory Division is one of the several divisions within the 15,000-member AECT organization which brings together individuals from all levels of education, government, industry, military, medicine, etc., with professional interests in the use of educational technology in the communication process. Dr. Dwyer has been a member of the board of directors of the Research and Theory Division and since 1973 has also served as editor of the Research and Theory Division Newsletter.

Two Behrend College faculty members are the authors of articles appearing in professional journals. **Dr. A. D. Frankforter,** assistant professor of history, wrote on "The 'Familares' of Hugh of Wells, Bishop of Lincoln: A Glimpse at Invisible Men" in The American Benedictine Review and on "The Episcopal Registers of Medieval England. An Inventory" for The British Studies Monitor. **Dr. Charles Redenius,** associate professor of political science, will publish his article, "Public Employees: A Survey of Some Critical Problems on the Frontier of Collective Bargaining" in this month's Labor Law Journal.

Appointments

John K. Gamble as associate professor of political science and head, division of social and behavioral sciences at Behrend College. B.A., College of Wooster; M.A. and Ph.D., U. of Washington. Former assistant professor at U. of Rhode Island.

Frederick F. Weiner as associate professor of speech pathology and audiology. B.A., M.A. and Ph.D., Wayne State U. Former assistant professor at U. of Maryland.

Boris Vishnevetsky as associate professor of mathematics. M.S., Moscow State U.; Ph.D., S'ektov's Mathematic Institute. Former engineer with the Moscow Electro-Lamp Factory.

Harvey S. Wiener as associate professor of English. B.S. and M.A. Brooklyn College, CUNY; Ph.D., Fordham U. Former associate professor of LaGuardia Community College, CUNY.

Gerald A. Anderson as assistant professor of mathematics. B.S., M.A., and Ph.D., U. of Michigan. Former research instructor at Massachusetts Institute of Technology.

Joel H. Anderson as assistant professor of mathematics. B.A., Oberiln College; Ph.D., Indiana U. Former assistant professor at Cal Tech.

Judith G. Carlson as assistant professor of English. A.B., Allegheny College; M.A., Edinboro State; Ph.D., Case Western Reserve. Former assistant professor at Behrend College.

Thomas H. Cook as assistant professor of engineering mechanics. A.A.S., State University of New York; B.E., M.E. and Ph.D., Stevens Institute of Technology. Former assistant professor at New Kensington.

Carl B. Holmberg as assistant professor of speech communication at Hazleton. B.A., Heidelberg College, M.A., U. of Chicago; Ph.D., Ohio U.

Renu Juneja as assistant professor of English. B.A. and M.A., Hindu College; Ph.D., Penn State. Former lecturer at U. of Delhi.

Lorraine M. Lees as assistant professor of history at Behrend College. B.A., Holy Family College; M.A., U. of Wisconsin; Ph.D., Penn State.

Janis D. Mitchell as assistant professor of German at Behrend College. B.A., M.A. and Ph.D., Penn State Former German teacher in Huntingdon Valley.

Major Joseph V. Polter as assistant professor of military studies. B.S., San Diego State; M.S., U. of Colorado; M.A., Pepperdine U.; M.Ed., U. of Hawaii. Former pilot with the Tactical Air Control.

Karl K. Schwenzfler as assistant professor of physical education. B.S., Penn State. Former assistant professor at the U.S. Air Force Academy.

Norman D. Wood as assistant professor of education. B.S., Brigham Young U.; M.Ed., Idaho State U.; Ph.D., Brigham Young. Former instructional psychologist with Courseware, Inc.

Laura J. Beyer as instructor of nursing at Behrend College. Th.B., Malone College; B.S., U. of Pittsburgh. Former senior instructor at Hamot Medical Center School of Nursing.

Lawrence D. Cluff as instructor of economics at Behrend College. B.A., Arizona State U.; Ph.D. candidate at Penn State.

Steven Deutsch as instructor of special education. B.A. and M.S., Brooklyn College. Former speech teacher in New York.

Zachary T. Irwin as instructor of social sciences at Behrend College. A.B., Hamilton College; M.A., Johns Hopkins School for Advanced International Studies; Ph.D. candidate at Penn State.

Arnold B. Levine as instructor of Spanish at Behrend College. B.A. and M.A., U. of Illinois.

Leon E. Wright Jr. as instructor of physical education at Behrend College. B.S., Virginia State College; M.S., Indiana U.

James F. Volkert as lecturer in accounting. B.S., B.A. Boston U.; M.A.S., U. of Illinois. Ph.D. candidate at U. of Illinois. Former assistant professor at U. of Massachusetts.

R. Dale Wilson as lecturer in marketing. B.B.A., Ohio U.; M.B.A., U. of Toledo. Ph.D candidate at U. of Iowa.

Lawrence J. Ziomek as research assistant at ARL. B.E., Villanova U.; M.S.E.E., U. of Rhode Island. Formerly a member of the technical staff for defense work at TRW.

Obituary

Edward C. Hewitt, assistant professor of physics at Ogontz, died Aug. 8. A Philadelphian, Mr. Hewitt received his B.S.E.E. from Drexel University in 1952 and his M.S. in physics from the University of Pennsylvania in 1955. He taught engineering at Ogontz from 1955 to 1960 and then worked in industry at the Univac Division of Remington Rand, at Mauchly Associates and RCA. He returned to Ogontz in 1966 to teach physics. In 1972, Mr. Hewitt received an M.S.Ed. in mathematics education from Temple University, and he was pursuing his doctorate in this field at his death.

Asbury designated Title IX coordinator

William W. Asbury, affirmative action officer and assistant to the Provost, has been designated Title IX coordinator for the University.

Provost Russell E. Larson said Mr. Asbury will be responsible for coordinating the University's efforts to comply with Title IX of the Education Amendment of 1972, which requires a policy of nondiscrimination on the basis of sex.

Dr. Larson said he also will be responsible for conducting investigations of any complaints alleging noncompliance with the policy.

The University has established procedures for examining complaints of employees concerning discrimination. Two permanent committees — the Academic Staff Discrimination Review Committee and the Staff Discrimination Review Committee — currently review unresolved complaints of discrimination.

Procedures for resolving student allegations of discrimination also have been established. Procedural steps, both formal and informal, are published in the current Student Handbook.

Mr. Asbury can be contacted in Room 124, Willard Bldg., or by calling 814 865-0471.

New teaching award

The College of Education is inaugurating an Outstanding Teaching Award to be presented to a faculty member who exhibits "outstanding performance as a teacher, adviser, developer of quality instructional processes, and evoker of professional inspiration and competence among students."

The award was established by the Faculty Council of the College, in cooperation with the dean and the College Alumni Society. The recipient will receive a cash award.

Nominations and selection of a recipient will be handled by a committee of faculty and students. Criteria to be used in making the award include excellence in knowledge of subject taught, clear and interesting communication with students, accessibility as adviser, appropriate evaluation of instruction for particular classes or students, and credibility as a model of professional competence.

According to the committee, nominations are to be submitted by students or fellow faculty members, supported by the Faculty Council of Education, faculty members, undergraduate or graduate, on any of the University's campuses. Nominations close Oct. 30.

Anyone wishing to nominate a faculty member for the award should request a nomination blank, a list of the criteria, and a set of procedures to be followed in supporting the nomination from: College of Education Outstanding Teaching Award Committee, Room 141, Chambers Bldg.

University Park Calendar

September 23—October 3

Items to be included in this calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special events

Thursday, Sept. 23
Five O'Clock Theatre, "Atlantic City Dreams," 5 p.m., Pavilion Theatre.
English Colloquium, 7:30 p.m., Room 101 Kern. Michael Holroyd, "Adventures of a Biographer."
Friday, Sept. 24
Sports: Soccer, vs. Hartwick, 7 p.m.
Five O'Clock Theatre, "Atlantic City Dreams," 7 p.m., Pavilion Theatre.
GSA Coffeehouse, 8 p.m., Room 102 Kern.
Saturday, Sept. 25
Sports: Men's cross country, vs. Villanova; football, vs. Iowa, 1:30 p.m.
Sunday, Sept. 26
Sports: Cross country, Lady Lion Invitational, 1 p.m.
Chapel Service, 11 a.m., Eisenhower Chapel. Helen Wise, Penn State trustee.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Pastor Gerald C. Loyd.
Valerie Ferrone, violin, 3:30 p.m., Music Bldg. recital hall.
Artists Series, "Equus," University Auditorium. Matinee at 3 p.m., evening performance at 8:30 p.m.
3rd Annual Kappa Delta Tennis Open, mixed doubles tournament to benefit American Cancer Society, 9 a.m.-5 p.m., Pollock Tennis Courts.
Monday, Sept. 27
Opening reception, Graduate Student Exhibition, 7:30 p.m., Zoller Gallery.
Tuesday, Sept. 28
Comp Lit Luncheon, 12:15 p.m., Faculty Club. Dan Walden, English, on "The Essential World of Isaac Bashevis Singer."
Wednesday, Sept. 29
Faculty Women's and Newcomers Clubs Fall Reception, 7:30 p.m., Kern.
Thursday, Sept. 30
Women in Communications, Inc., 7 p.m., HUB assembly room. Speakers: Lynn Haskin, Don Haskin and Barb Haas.
Friday, Oct. 1
Sports: Soccer, vs. West Virginia, 7 p.m.
GSA Coffeehouse, 8 p.m., Room 102 Kern.
Artists Series, Gary Karr, double bass, 8:30 p.m., Schwab.
Sunday, Oct. 3
Chapel Service, 11 a.m., Music Bldg. recital hall. "Re-Creation," Penn State musical group.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Elder Joseph Garlington, Pittsburgh.

Seminars

Thursday, Sept. 23
Agronomy, 8:15 a.m., Room 309 Tyson. Dr. K. Wilkensen, "World Food and Population: A Sociologist's View."
Chemistry, 12:45 p.m., Room 333 Whitmore. John B. Strothers, University of Western Ontario, on "Applications of ^{13}C and ^{2}D Magnetic Resonance to Structural and Mechanistic Problems."
Natural Disasters, 2:20 p.m., Room 302 Mineral Industries. Michael Glanz, NCAR, on "Nine Fallacies of a Natural Disaster."
Meteorology, 4 p.m., Room 26 Mineral Sciences. Michael Glanz, NCAR, on "The Social Value of Long Range Climate Forecast."
Friday, Sept. 24
College of Science, 1:30 p.m., Room 333 Whitmore. Manuel S. Barbello, Office of Research Safety, National Cancer Institute, NIH, on "Equipment, Operational and Disposal Techniques for Handling Chemical Carcinogens and Infectious Microorganisms."
Monday, Sept. 27
Genetics, 3:45 p.m., Room 108 Tyson. Dr. Mary Sanders, biology, Mont Alto, on "Complex Mutants (Many True Breeding) in Sorghum Induced by Cochicine. Part II."
Biochemistry, 3:55 p.m., Room 101 Althouse. Dr. Jaques Duval, University of Rennes, on "Steroid Receptor Sites and Enzymic Activities of the Rat Pituitary — Part I."
Tuesday, Sept. 28
Urbanization, 9:35 a.m., Room 318 Sackett. Dr. Monroe Newman, economics, on "Urban Economics Development in the 19th Century."
Plant Pathology, 9:45 a.m., Room 213 Buckhout. Prof. "Dutch Elm Disease: The Pathogen and its Control."
Biochemistry, 11:10 a.m., Room 101 Althouse. Dr. Jaques Duval, University of Rennes, on "Steroid Receptor Sites and Enzymic Activities of the Rat Pituitary — Part II."
Air Pollution Control, 2:20 p.m., Room 140 Fenske. Robert L. Kabel, chemical engineering and Center for Environment Studies, on "Natural Removal of Gaseous Pollutants."
Engineering Science and Mechanics, 4 p.m., Room 206 Hammond. Dr. John R. Mentzer, engineering science, on "Some Electrodynamic Analogies."
Thursday, Sept. 30
Agronomy, 8:15 a.m., Room 309 Tyson. Dr. R. Harter, "Adsorption at Solid-Solution Interfaces."
Natural Disasters, 2:20 p.m., Room 302 Mineral Industries. B. F. Howell, Jr., geophysics, on "Gumbel's Theory of Extreme-Event Prediction as a Means of Predicting Earthquake Hazard."
Chemistry, 12:45 p.m., Room 333 Whitmore. Dennis Johnson, Iowa State University, on "Applications of Electroanalysis to Liquid Chromotography."
Anthropology and Population Issues Research, 3:30 p.m., Room 107 Kern. Dr. William Irons, anthropology, on "Social Organization and Population: A Case Study from Iran."
Physics, 3:50 p.m., Room 117 Osmond. Dr. R. W. Jackiw, MIT, on "Solitons in Particle Physics."
Meteorology, 4 p.m., Room 26 Mineral Sciences. Nelson Seaman, graduate student, on "Comparison of Explicit and Semi-Explicit Mesocale Model Flows over Complex Terrain."
Microbiology and Cell Biology, 4 p.m., Room 52 Frear. Arnold H. Horwitz on "Ecology of 'Agromyces Ramosus' and its L-Phase Variant."
Friday, Oct. 1
Philosophy, 4 p.m., Room 112 Buckhout. Jurgen Habermas, Max Planck Institute, on "Hannah Arendt's Concept of Power."

University schedule

Thursday, Sept. 23-Monday, Sept. 27
File for Pass/Fail.
Monday, Sept. 27
Drop deadline.
Course repeat deadline.
Preregistration deadline.

Films

Monday, Sept. 27
France Cinema, "Hiroshima mon Amour," 7 and 9 p.m., Room 112 Kern.
Wednesday, Sept. 29
South Cinema Musical, "Daddy Long Legs," 7 and 10 p.m., Room 121 Sparks.
GSA Commonspalace Theatre, "The Big Heat," 7:30 and 9:30 p.m., Room 112 Kern.
Artists Series Truffaut film festival, "The 400 Blows," 8 p.m., University Auditorium.
Thursday, Sept. 30
GSA Commonspalace Theatre, "The Big Heat," 7 and 9:30 p.m., Room 112 Kern.

Meetings

Sunday, Sept. 26
Interlandia Folk Dancing, 7:30 p.m., small gym, White.
Monday, Sept. 27
Bridge Club, 7:30 p.m., Room 301 HUB.
Penn State Folklore Society, 7:30 p.m., Room 324 HUB.
Wednesday, Sept. 29
Chess Club, 7 p.m., HUB gameroom.
Penn State Amateur Radio Club, 7:30 p.m., Room 208 Engineering E.
Friday-Saturday, Oct. 1-2
Fixed date for meetings involving Commonwealth Campus Faculty.
Sunday, Oct. 3
Interlandia Folk Dancing, 7:30 p.m., small gym, White.

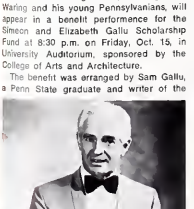
Exhibits

Museum of Art: American Paintings and Furniture from the Permanent Collection, Gallery A, through Sept. 28. Selections from the Permanent Collection, Gallery B. Recent Work by Stephen Porter, Gallery C.
Zoller Gallery: Graduate Student Exhibition, opening Sept. 25.
Chambers Gallery: 13 Harrisburg Area Artists — Drawings, Paintings, Sculpture, through Sept. 25. Frank Howell, Drawings, Kenneth Bettel, Ceramics, opening Sept. 27.
Heuzel Union Bldg. Gallery: Through Sept. 25: Joanne Giglotti-Valli, Etchings and Prints; Laveta Butler, Ceramics; Ralph Praesent, Graphics; Dick Brown, Sports Photography. Through Sept. 30: Robert L. Butler, Woodcarvings.
Museum of Art-HUB Gallery: Selections from the Museum's Permanent Collection.
Kern Gallery: Dale Wagner and G. Lee Grossman, "Out of the Closet . . . Into the Streets," through Sept. 25. Renaissance Group Exhibition, multi-media, opening Sept. 26. Judi Kellas, Prints, through Oct. 2. Group Exhibit, Students in Ceramics, Display Cases.

Waring to play for benefit

The Fred Waring Show, starring Fred Waring and his young Pennsylvanians, will appear in a benefit performance for the Simeon and Elizabeth Gallu Scholarship Fund at 8:30 p.m. on Friday, Oct. 15, in University Auditorium, sponsored by the College of Arts and Architecture.

The benefit was arranged by Sam Gallu, a Penn State graduate and writer of the



Fred Waring

recent hit play, "Give 'Em Hell, Harry," with proceeds designated for the scholarship fund for talented undergraduate students in theatre and music at Penn State. Mr. Gallu established the fund earlier this year in honor of his parents.

Mr. Gallu received the bachelor's degree from Penn State in 1940 and as an undergraduate was president of the Penn State Glee Club and active in the Varsity Quartet, Thespians and the choir.

It was as Glee Club president that he was responsible for bringing Waring and his Pennsylvanians back to Penn State for their first performance since the group was formed on the campus around 1920 when Fred Waring himself was a student. After graduation, Mr. Gallu joined the Pennsylvanians and performed with them until World War II.

Fred Waring, a trustee of the University from 1948 to 1954, has been in show business for 61 years, starting in 1916 with a 4-piece band which included drummer Polsey McClintock who still performs with the show. Waring's grandfather, William Waring, was one of the founders of the University and his acting principal until the arrival of Evan Pugh.

Fred Waring's career began in nearby Tyrone, where he was a leader of the Boy Scout Drum Corps as a high school student. Since then, he has been successful in vaudeville, radio, recordings, motion pictures, television and the concert stage.

This year's Waring Show, which comes to Penn State early in a tour which will cover over 40,000 miles, will contain country music; standards; ballads; sacred, inspirational and patriotic music; and pop.

The show is divided into segments, the largest of which will be a collection of favorites from the Pennsylvanians' more than 70 record albums. Two other shorter sections will feature the Waring Blendors, named for the appliance Waring himself developed, and the young Pennsylvanians, who will perform contemporary hits.

Ticket prices are $2, $3, and $4 for students and $4, $5, and $6 for non-students. Mail orders will be accepted at the University Auditorium box office through Sept. 30.

Tickets will go on general sale at the University Auditorium box office on Monday, Oct. 4.

Glee Club record first since 1916

American favorites, Penn State songs and selections from the Wagon Train show heard this summer in 48 states are all included on the Penn State Glee Club's first recording since 1916.

The stereo, long-playing record, officially titled "The Penn State Alumni Association Presents the Penn State Glee Club in a Concert of American Music," was made last winter by the 75-voice group, one of the nation's largest.

Glee Club director Bruce Trinkley, assistant professor of music, said the record was made in response to alumni requests for a Glee Club record and because the group currently has superior talent and a good repertoire.

The record jacket was designed by graphic arts student Steven Zellers. Producing was Arthur Curtze, State College, with recording engineering by John Thomas, Boalsburg.

Assistant Glee Club director Douglas Smith, a music graduate student, is baritone soloist in one of the record selections, "Great Gettin' Up Mornin'." Other examples of Americana to be heard are "Down in the Valley," "We Shall Walk Through the Valley in Peace" and "Chester." Penn State songs include "Fight on State," "The Nittany Lion," "Victory," and, of course, the Alma Mater.

Records may be purchased at all Glee Club concerts, beginning with the annual Homecoming Concert on Oct. 16 and at Room 232 Music Bldg. Mail orders accompanied by a check or money order payable to The Pennsylvania State University for the $6 purchase price, plus $.75 for postage and handling, will be accepted at the Glee Club office, Room 201 Music Bldg.

Woodcarvings at HUB

Woodcarvings by Dr. Robert L. Butler, professor of biology, are being exhibited in the HUB gallery through Sept. 30.

Dr. Butler has been working with wood for nearly 50 years, having designed and built much of the furniture in his home. More recently, he has expanded his interest into woodcarving, and at the 1976 International Woodcarvers Congress he took first place in the human figure class with a natural finish black walnut female torso.

Much of Dr. Butler's work is done with such native Pennsylvania woods as osage orange, catalpa and Kentucky coffee tree, which are not commercially available. Out of his experiences in obtaining his own wood, he wrote a book, which was published in 1974 by A. S. Barnes and Company, Inc. — "Wood for Wood-Carvers and Craftsmen: The Source, Selection, Cutting, Treatment, Drying of Flitches and Guidance in Their Use."

Blacks' role shown

"Blacks in the Westward Movement" is the subject of an exhibition opening Sept. 25 and continuing through Oct. 24 at the Paul Robeson Cultural Center. The exhibit is being circulated throughout the United States by the Traveling Service of the Smithsonian Institution. The Smithsonian, by offering this special exhibition, hopes to dispel the impression that blacks were absent from the frontier. Blacks worked as guides and interpreters for the early explorers. They rode on the great cattle drives homesteaded on the dusty plains and fought with and against Indians, creating mayhem as desperadoes and carving out all-black towns. Their mostly untold story has been trickling out in recent years, primarily in book form, and the exhibit recreates their varied roles.

News briefs

(Continued from page one)

career opportunities in the dairy cattle and related agribusiness industries.

A new major of entomology, to be administered by the Department of Entomology, will draw its primary enrollment from students in existing majors. It is concerned with the study of insects and the management of insect populations. The other major, poultry technology and management, provides an integrated program of study in the biological and business aspects of poultry, including gamebird production. It will be administered by the Department of Poultry Science and will draw its primary enrollment from students in existing majors and the phased out animal industry major.

Faculty Women's reception

The Faculty Women's Club end the Newcomers' Club will hold their annual fall reception from 7:30 to 9:30 p.m. on Wednesdey, Sept. 29, at the Kern Graduete Bldg. All faculty women and wives of Penn State faculty and administrators are invited to attend. The informal cider and cheese party will feature membeiship signup for the many interest groups sponsored by the two organizations. Interest group chairman will set up exhibits describing each group's activities and schedule and will be available to answer questions.

United Way Drive on

The Centre County United Way Drive has set a $275,000 goal this year to support its 25 member agencies, and as the County's largest single employer, the University is being asked to raise $87,000, according to University drive chairman, Ray T. Fortunato, assistant vice president for personnel. All faculty and staff members have received letters from both President Oswald and Mr. Fortunato, and they may choose between making a direct payment or a payroll deduction plan. Last year, 18 percent or 1,353 members of the Penn State community participated in United Way though the University with a total contribution of $82,320.

"While we have been proud of the support by Penn State faculty and staff members in the past," Mr. Fortunato notes, "National United Way records indicated that our percentage of participation last year was far below other similar institutions. We hope that we can turn those statistics around."

Speakers Bureau in business

Penn State is offering speakers to Pennsylvania organizations on more than 700 topics ranging from aging to wildlife. About 270 members of the faculty and staff at 21 campuses have volunteered to speak before civic, social, service, professional and scholastic organizations, according to Ken Heirshberger, manager of the newly organized Speakers Bureau. Some of the many topics offered are: "How to Cope with Stress," "African History," "Employment Interviewing for 1976-77," "Caves and Caving in Pennsylvania," "The New Woman in a New World" and "Clocks and Watches: Everything You Always Wanted to Know." Copies of the Speakers Bureau brochure are available at each campus or at Room 312 Old Main.

Hershey enrollment at 373

Ninety seven new medical students, making up Hershey's tenth entering class, raised enrollment at the Medical Center to a record high of 373 this fall, as compared to 356 students last year. (The first class of 40 students enrolled in 1967.) A profile of the freshmen shows that 87 percent are Pennsylvanians, and women make up 24 percent of the class. There were 2,318 applications. The students have degrees from 49 colleges and universities, with Penn State graduating the most — 19. Franklin and Marshall and the University of Pennsylvania each provided six students for the class.

Hazleton to offer new program

Beginning in fall term, 1977, the Hazleton Campus will offer an associate degree program in medical laboratory technology in cooperation with St. Joseph Hospital in Hazleton. The program is designed to provide the necessary general and technical training for hospital personnel between the level of the certified laboratory assistant and the medical technologist.

Remedial ed compulsory plan being considered

The Commission on Remedial Education is considering a compulsory program for students deficient in basic skills, according to a report presented Tuesday to the University Faculty Senate.

Dr. John J. Cahli, chairman, said the commission is leaning toward oi flirting with a compulsory program "within the context of getting a real evaluation of a basic skills program."

"We think Penn State ought to evaluate very carefully what it does," he added.

Dr. Cahir told the Senate that the commission sees the problem as national in scope and the principal problem in American education today.

"It is not local to Penn State," he said, "but we're talking about literally thousands of students who qualify for regular admission at Penn State."

Asked to specify how many students would be involved, he estimated that approximately 20 to 25 per cent of incoming freshmen lack basic skills "depending on what you define as basic skills."

Dr. Cehii said the Commission is examining the University's admissions procedures, looking at the use of student tutors in a remedial program, and examining ways of improving counseling.

The Commission is expected to present its final report in January.

In other action, the Senate:

—Heard a report from Dr. Stanley O. Ikenberry on the Middle States Accreditation.

—Received a report from the Committee on External Affairs concerning residential buglaries in the area.

—Heard informational reports from the Committee on Curricular Affairs and the Committee to Review Procedures of Academic Units for Student Evaluation of Courses.

—Received an informational report on Academic Policies and Procedures for Undergiaduate Students.

Record registration

Penn State's Mont Alto Campus, in spite of trying to reduce its enrollment, has just registered a record 901 students.

"We are in a fortunate position," Campus Director Vernon L. Shockley comments, "because of increasing demand for enrollment on the campus. Il appears the extent and quality of our offerings are being well received."

The overload, he explains, comes from two categories of students the campus feels it can't refuse: focal residents and students of previous years who wanted to reenter Mont Alto.

"Without these, we would have been about where we wanted to be — 870," Dr. Shockley points out.

More than a quarter of Mont Alto's enrollment is composed of Franklin counties, with more than a third of the students commuting from the service area of Franklin, Adams, Fulton and Cumberland Counties.

Enrollment figures include: baccalaureate ol four-year — 549, of whom 295 are freshmen; and associate degree: 264, of whom 142 are freshmen, studying Forest Technology, Surveying Technology, or Arts and Sciences. The balance are non-degree students.

A body count would show more students on campus than the 901 indicated. The others are taking courses through Continuing Education, which, in the area of college credit courses, has been integiated with the Resident Education program at Mont Alto.

Trustee docket

(Continued from page one)

which now serves the press box. Two new elevators, in addition to providing access to the press box, will be used to transport handicapped spectators to sections high et up in the stadium.

The construction will have the advantage of bringing the new seats closer to the playing field. To accomplish this, the existing track will be eliminated from its current site and relocated. The track is in poor condition and, having only six lanes, is not suited foi championship competition, for which eight lanes are needed.

WPSX highlights

The Afio-American renaissance of the 1920s is the subject of "From These Roots" at 9:30 p.m. on Friday, Sept. 24. The award-winning film explains the emergence in Harlem during the 1920s of a new black creativity and awareness that produced outstanding artists and leaders, recreating the artistic, social and political rebirth of black entertainment.

Sherrill Milnes, the Metropolitan Opera's leading baritone, mixes classical, popular, and patriotic themes when he joins Arthur Fiedler and the Boston Pops Orchestra on **Evening at Pops** at 8 p.m. on Sunday, Sept. 26. Mr. Mihes leads Lincoln's "Gettysburg Address" and sings "Of Man River" and "America, the Beautiful." The Pops Orchestra offers a Stephen Foster medley.

Pennsylvania viewers will be able to ask questions about the controveisial swine flu vaccination program on "Swine Flu: A Plan foi Pennsylvania" at 8 p.m. on Tuesday, Sept. 28. The hour-long special will include background segments on the swine flue and the innoculation plan, along with a live discussion featuring Pennsylvania's Secretary of Health, the President of the Pennsylvania Medical Society, a representative from Community Services of Pennsylvania, and a representative from the National Center foi Communicable Diseases. Viewers will be able to phone-in questions, collect, by dialing 717-534-2511.

Anton Chekov's classic, "The Seagull," is featured on **Theatre in America** at 9 p.m. on Wednesday, Sept. 29. Lee Grant, Blythe Danner and Frank Langella star.

Eva Marie Saint stars in a Hollywood Television Theatre production of "The Fatal Weakness" at 8 p.m. on Thursday, Sept. 30. The play, a 1946 glowing cent comedy by George Kelly, foltows the marital troubles of a woman who is too romantic.

Funding sources

Call 865-1372 for further information

(240-6) The Smithsonian Institution supports **fellowships in independent research in residence at the Smithsonian.** Fellowships are available for postdoctoral scholars (deadline Jan. 15), doctoral candidates (deadline Jan. 15), and graduate students (deadline March 1). The research training offered is in the fields of history of art, earth sciences, anthropology, biological sciences, history of science and technology, and American history and material culture. Write to Office of Academic Studies, Smithsonian Institution, Washington, D.C. 20560. For astrophysical or geophysical research, write Research Fellowship Program, Smithsonian Astrophysical Observatory, 60 Garden Street, Cambridge, Mass. 02138.

(240-7) The Alcohol, Drug Abuse, and Mental Health Administration (ADAMHA) announces its program of **Research Scientist Awards.** Institutional grants have an Oct. 15 deadline. Individual fellows awards have deadlines of Oct. 15, 1976 and Feb. 1 and June 1, 1977. Three general areas of research are supported: general mental health, alcohol abuse and alcoholism, and drug abuse (NEL 472-4400, ext. announcement).

(241-1) The National Science Foundation has announced a Feb. 4 deadline for the **Instructional Scientific Equipment Program.** Matching funds are provided to purchase equipment for undergraduate instructional programs in one or more of the sciences, including the social sciences. (Ref. SE 77-32 August 1976)

(241-2) The National Science Foundation has announced a Dec. 1 deadline for the **Research Originated Studies (SOS) Program.** The program is designed to give teams of college students experience in undertaking directed research. Proposals must presenl an interdisciplinary approach to problem solving and be aimed primarily at upper-division undergraduate and graduate students in science and mathematics. Support includes stipends for participants, operating expenses, and indirect costs to host institution. (Ref. SE77-22).

(241-3) The National Endowment for the Arts (NEA) will resume operation of the **City Spirit Program** (planning for cultural efforts at communities). Primary emphasis in the 1976-77 program is on facilitation assistance (such assistance to be given for "a few days"). Facilitators are skilled professionals experienced in community organization, arts dynamics and the cultural environment. New proposals may be submitted throughout the year. Information about facilitor selection has been requested

(241-4) The Technicon Instruments Corporation (Tarrytown, N.Y., Geneva, Switzerland) will offer a **Program of Granta for Research in Biomedical and Industrial Instrumentation.** Preliminary submission forms are requested as early es possible, and the limit proposal deadline is Dec. 15. Awards of up to $100,000 per year may be applied to basic or applied research, and generally fall into the biomedical and diagnostic area or in the industrial area (Ref Technicon announcement)

FELLOWSHIPS

(For further information, inquire at 317 Kern, 865-2516)

(241-5) British Consulate General — Marshall Scholarships — Oct. 22

(241-6) American Bar Foundation — doctoral candidates — Jan. 1.

Communications work required for MBA students

All candidates for the Master of Business Administration degree who enrolled this fall are taking part in a unique, required core course program in oral and written communications.

A team of communications specialists headed by Howard F. Blasch, who is in charge of all national and international insurance consulting for Peat, Marwick, Mitchell & Co., are directing a two-phase effort aimed at developing the entire range of first-year students' communications skills and integrating that development into regular core course work.

During the year, students will complete a course, designed and presented by the communications team, incorporating material on written and oral communications techniques, audio-visual technology and interpersonal communications styles. Presentations made by the students before audiences and TV cameras will be recorded on videotape and later critiqued.

In the second phase of the program, written and oral exercises will be carefully integrated with the course materials of basic M.B.A. courses in accounting, quantitative business analysis and organizational behavior. At the end of the year visiting executives will participate in the course playing the roles of company presidents, board members and regulators to whom the students must make presentations.

Despite the fact that the growing need for improved communications skills among executives has long been recognized, the approach to better oral and written presentation in new M.B.A. programs has been piecemeal, according to Business Administration Dean Eugene J. Kelley. Some universities have offered writing courses and others, classes in video taping, but rarely have these courses been both required and integrated with the basic curriculum.

In addition to Mr. Blasch, who has been named the William Elliot Faculty Associate of the College of Business Administration, the specialist team will include Dr. Robert S. Brubaker, professor and head of the Department of Speech Communication; Dr. David E. Butt, associate professor of speech communication; Robert Griffin, a television and audio-media instruction specialist; and Carolyn Bishop, an M.B.A. candidate.

Dr. Stewart W. Bither, professor of marketing and director of the M.B.A. program, and Dr. J. D. Hammond, professor of insurance, have been given academic responsibility for the program.

Staff vacancies

Staff vacancies in this publication generally require at least a high school diploma or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in the INTERCOM may be found in the Penn State REPORTER. All University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network Line 475-1387). Applications for these staff vacancies will be received until 5 p.m. **Sept. 30, 1976. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

REGISTRAR OF EXHIBITIONS, UNIVERSITY ARTS SERVICES — University Park

Responsible for the registration and associated recordkeeping for collections of art on loan to the University for the purpose of exhibitions, its exhibition and for administrative matters involved with the return of the collection to its owners. A bachelor's degree or equivalent is required in art or art history. Over one year and up to and including two years of directly related experience or additional study is required in the field of museum or art exhibitions. A knowledge of physical properties of art objects and how to look for possible problems in the INTERCOM.

ACCOUNTANT, UNIVERSITY AUDITORIUMS; UNIVERSITY ARTS SERVICES — University Park

Responsible to the Manager of University Auditoriums, and Financial Officer, University Arts Services for general accounting administration and internal control of University Auditorium, Schwab Auditorium and Recreation Bldg. when used for entertainment and cultural events. Bachelor's degree in accounting or equivalent and one to two years of directly related experience

ASSISTANT MANAGER OF PHARMACY — Hershey

Responsible to the Manager of Pharmacy for managing and directing the Pharmacy Department and Clinical Pharmacy Program. Participate in education and research programs in the Medical Center as requested, develop new and revise old programs as necessary and assume the responsibility for the department in the absence of the manager. A master of science or doctor of pharmacy degree, a residency in hospital pharmacy, plus two to three years of directly related experience in hospital or clinical pharmacy, preferably with experience in a supervisory capacity. Pennsylvania registration in pharmacy or eligibility required.

PENN STATE intercom

Volume 5, Number 50 September 30, 1976

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

This month VADD coverage can be changed

Since 1964, the University has offered a voluntary plan for accidental death and dismemberment insurance to all regular faculty and staff members. The plan provides optional amounts of insurance ranging from $10,000 to $150,000 and also provides accidental death and dismemberment coverage for dependents.

The month of October is the period when membership in this plan may be changed. One or more of the following actions may be taken during the month: (1) change the dollar amount of insurance coverage; (2) change from individual coverage to family coverage or vice-versa; (3) enroll in the plan as a new member; (4) withdraw from the plan.

To accomplish any of the above changes, obtain and complete a new VADD enrollment card from your dean or administrative office and send it to the Employee Benefits Division, 133 Willard Bldg., by Oct. 31. All changes received by that date become effective Nov. 1.

If you should wish to check your present coverage, examine the section of your paycheck stub marked "VADD." The deduction will indicate the amount of coverage you have.

Coverage	Monthly Deduction	Biweekly Deduction
$ 10,000	$ .50 single	$ .23 single
	$ .70 family	$ .32 family
$ 25,000	$ 1.25 single	$ .57 single
	1.75 family	$ .80 family
$ 50,000	$ 2.50 single	$1.15 single
	$ 3.50 family	$1.61 family
$100,000	$ 5.00 single	$2.30 single
	$ 7.00 family	$3.23 family
$150,000	$ 7.50 single	$3.46 single
	$10.50 family	$4.84 family

If you are unable to check in this manner, information about your coverage may be obtained from the Employee Benefits Division.

No action is needed to continue your current coverage without change.

News in brief

Moliere performance Oct. 7

The Compagnie Bernard Uzan will present a French play, "Un Spectacle Moliere," at 8 p.m. on Thursday, Oct. 7, in University Auditorium under the sponsorship of the Department of French.

Bernard Uzan is a former student of Jean-Louis Barrault, Raymond Rouleau and Tania Balachova and is currently cultural director of the Alliance Francaise de Boston.

The performance, in French, will contain excerpts from "L'Ecole des Femmes," "Le Misanthrope," "Dom Juan," "L'Avare," "Tartufe," "Scapin" and "Le Malade Imaginaire."

Tickets, which are priced at $2.75, are on sale at the HUB desk and will also be available at the auditorium box office on the evening of the performance.

Faculty Club meeting Oct. 6

The annual meeting of the Penn State Faculty Club will be held at 8 p.m. on Wednesday, Oct 6, at the Faculty Club. A buffet supper will be served from 5:30 to 7:30 p.m. that evening at a cost of $3.75 a person, and spouses are invited to attend. For reservations, call 865-1962.

PLRB hearings continue

Faculty unit determination hearings resumed Sept. 22-24 before PLRB hearing examiner Sidney Lawrence. The major focus of the hearings at this time continues to be the inclusion or exclusion of various academic administrators.

The primary issue in contention is the status of department heads and administrators with equivalent titles. During last week's hearings PSUPA and AAUP stipulated with the University that the following positions should be excluded from the voting units. College of Health, Physical Education and Recreation — Director of the Division of Recreation Sports and Assistant Director of Athletics; College of Engineering — the Directors of the Nuclear Reactor, the Ionosphere Research Laboratory, and the Noise Control Laboratory; and College of Human Development — Director of the Institute for the Study of Human Development and the Heads of the Pennsylvania Field Research Laboratory and the Center for Human Services Development.

Additional hearings are scheduled Oct. 27-29 and Nov. 3-5.

Council distributes evaluations

University Council has authorized the distribution to academic department heads of results of the graduating student instructional evaluation conducted by UDIS during spring term. The Council also authorized a questionnaire on the data, seeking information on its usefulness to department heads.

At Council's meeting last Thursday, Provost Larson, who is chairman of the Council, announced the names of new members. Dean Donald H. Ford, of Human Development, will succeed Dean Robert J. Scannell, of Health, Physical Education, and Recreation. Dr. Evelyn Hovanec, associate professor of English at Fayette, succeeds Dr. Richard F. Reynolds, assistant professor of mathematics at McKeesport; Dr. James D. Hammond, professor of business administration, succeeds Dr. Ruth L. Pike, professor of nutrition science; and Beverly A. Willett, of Nanjemoy, Md., a junior in Liberal Arts, will succeed Charles J. Vohs, of Bethlehem, who was graduated in the foreign service major.

University meat on sale

Members of the University community can purchase cuts of beef, pork and lamb from the Meats Laboratory, which is open to the public for sales each Friday beginning at 1:30 p.m. The meats, which are from animals on the University farms, are butchered by students enrolled in Animal Industries 21 — Meat Cutting and Processing. Each customer is given a number, and one's place in line is determined by lot. The Meats Lab is located east of Beaver Stadium.

Stargazing Oct. 1

The Astronomy Club will hold one of its regular open houses on Friday, Oct. 1 — or Saturday, Oct. 2, if it is cloudy on Friday. Observations of celestial objects will be made with telescopes and binoculars from the top of Davey Laboratory and include Jupiter and its moons, the Ring and Andromeda nebulae, and the moon. The public is reminded that instrumental observations can only be made if the brighter stars are visible to the unaided eye.

16mm film list available

A listing of 16mm films which have been set aside for historical research purposes is now available from Audio Visual Services in Room 17 Willard Bldg. It includes specialized films which are too dated for general circulation, significant early documentaries, irreplaceable out-of-print items, and a representative sprinkling of vintage instructional films. For further information, call the reference/advisory unit at 865-0291. Audio Visual Services also maintains a listing of 16mm films and other media restricted to Penn State use, as well as audio and video cassettes, film loops and other materials available for rental and sales.

Museum hours begin

Free public tours of the Museum of Art will be available every Sunday at 2:30 p.m., beginning Oct. 3. The tours, conducted by docent tour guides trained in the docent education programs sponsored by the Friends of the Museum of Art, will cover all current exhibitions in the three-floor museum.

The Museum store, located just inside the entrance to the facility, has received 1977 desk calendars from the Metropolitan Museum of Art, the Philadelphia Art Museum and the Museum of Modern Art, and has a full stock of holiday greeting cards.

Senior citizens find a new outlet with improvisational drama

Roger Cornish is the youngest member of a special committee of the American Theatre Association. He's also one of the few who works for a living. But that's not surprising: the group is the Committee for Theatre for the Retired.

Mr. Cornish, an assistant professor of theatre and film, has a special interest in drama for senior citizens. A collection of his works, "Short Plays for the Long Living," will soon be published by Bakers of Boston.

The collection, which also includes works by former Penn State playwriting graduate student John Orlock, had its beginnings in workshops Mr. Cornish organized as part of an Office for the Aging-sponsored project carried out by Agriculture Extension at the University.

"I was asked initially to write plays suitable for acting by groups of the elderly," he explains, "but countered with a proposal that I conduct workshops in improvisational drama for them instead."

The workshops were tried at an Altoona center where older people gather for meals. The enthusiastic response surprised everyone, including Mr. Cornish.

"The people there really took to improvisational acting," he recalls, "so much so that when our workshop ended a group of them continued to meet on their own and eventually even took their show on the road — to other groups of long living persons around the area."

The Altoona experiment attracted the attention of the Governor's Conference on Aging, which was held in Hershey last fall, and Mr. Cornish and theatre graduate student Joel Gori were invited to present a workshop there. Interest in theatre for the long living continues to grow.

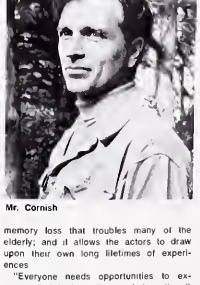
What attracts the elderly to this kind of experience?

"Keep in mind first of all that there is really no retirement age for actors," Mr. Cornish notes. "It's one of the few professions that doesn't throw you out when you get to a certain arbitrary age."

But none of the participants in his workshops has been a professional actor.

"And those who were formerly amateur actors were often the hardest to get to adapt to improvisational drama," Mr. Cornish confides. "Our best 'actors' were housewives, white collar and industrial retirees — a cross-section of basically working and middle class people. They were all fairly healthy and somewhat social."

Mr. Cornish attributes the appeal of improvisational, as opposed to scripted theatre, to two factors: it requires no memorization of lines, thus eliminating the fear of



Mr. Cornish

memory loss that troubles many of the elderly; and it allows the actors to draw upon their own long lifetimes of experiences.

"Everyone needs opportunities to express what bothers them, what matters," Mr. Cornish explains, "and improvisational drama provides such opportunities.

"Not surprisingly, the topics that emerged in these improvisational sessions with the long living were the same that seem to come up in every adult-age group — health, loneliness, money and, of course, sex and violence.

"The elderly seem to respond particularly to laughter and joy in performances," he continues. "There are rebels among the old, just as there are among the young, and they enjoy exploring 'forbidden' topics — such as liquor and sex — for the humor to be found in them."

Mr. Cornish would like to find funding for a troupe of long living actors to tour the State, performing for audiences of every age. He envisions such a unit presenting both improvisational theatre and scripted plays — including, perhaps, some of his own.

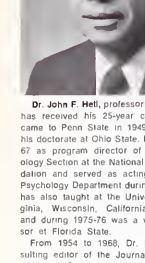
Mr. Cornish's plays deal with situations that he has found to be popular with the participants in his workshops.

"One script is about a 70-year-old man who runs away from home because his daughter treats him like a child. Another, by John Orlock, looks at the reactions of an elderly woman who has been asked out on a 'date' by an old friend.

"I've come to believe that being old isn't how you feel about yourself, but how other people feel about you and I hope my plays reflect this," Mr. Cornish concludes.

PENN STATE COLLECTION

Faculty notes



Dr. John F. Hall, professor of psychology, has received his 25-year chair. Dr. Hall came to Penn State in 1949 after earning his doctorate at Ohio State. He spent 1966-67 as program director of the Psychobiology Section at the National Science Foundation and served as acting head of the Psychology Department during 1973-74. He has also taught at the Universities of Virginia, Wisconsin, California and Hawaii and during 1975-76 was a visiting professor at Florida State.

From 1954 to 1968, Dr. Hall was consulting editor of the Journal of Comparative and Physiological Psychology, and he has served as a consultant to NSF's Departmental Science Development Program. He is the author of the "Psychology of Motivation," "The Psychology of Learning" and "Verbal Learning and Retention." His most recent text, "Classical Conditioning and Instrumental Learning," was published last month. He has also edited "Readings in the Psychology of Learning" and contributed numerous articles to professional journals.

William E. Crocken, associate professor of theatre arts, has been appointed manager of University auditoriums and director of the new auditorium management program at Penn State. Mr. Crocken has been manager of University Theatre and the Pennsylvania State Festival Theatre as well as a member of the theatre faculty since coming to the University in 1971. Prior to that he was technical director for the theatres at UCLA and production manager for the San Francisco Opera Association.

Three papers co-authored by members of the ceramic science faculty were presented recently at the 6th International Materials Symposium on Ceramic Microstructures at UC-Berkeley. **Prof. Richard C. Bradt** presented two of the papers. The first of these, which reported on studies of the directional solidification of ceramic eutectics sponsored by the Army Research Office, was co-authored by Dr. Bradt with **Prof. V. S. Stubican** and two former graduate students, W. J. Minford and F. L. Kennard III. The second paper presented by Dr. Bradt was written by him and associate professor **Richard E. Tressler,** and was a review of studies done over the past few years on surface finish effects on strength-microstructure relationships in brittle polycrystatine ceramics. Dr. Bradt also co-authored a paper on the effects of micro-cracking on the thermal diffusivity of ceramics.

Dr. **Terence H. Risby,** assistant professor of chemistry, presented a seminar at Purdue University on "Fragmentation and Excitation in Electrical Discharges" and also spoke on "Determination of Ultra-Trace Metals in Biological and Environmental Samples" at the Argonne National Laboratory.

Dr. David A. Kurtz, analytical chemist at the Pesticides Research Laboratory, presented a paper, "Metabolism of DDT in Pennsylvania White-tait Deer," at the fall meeting of the American Chemical Society held recently in San Francisco.

Dr. Robert L. Butler, professor of biology and leader of the Pa. Cooperative Fishery Research Unit at the University, was keynote speaker at the Lake Superior Biological Conference held at Pigeon Lake Field Station in Wisconsin Sept. 24. Dr. Butler's talk was titled "The Underutilized and Quality Aquatic Resource."

The 1976 Congress of the International Pig Veterinary Society, held this summer in Ames, Iowa, was dedicated to the memory of the late **Dr. Howard W. Dunne.** At the time of his death on Sept. 10, 1974, Dr. Dunne was professor of veterinary science and director of the Animal Disease Laboratory at the University. He had been elected president of the society in June, 1974, in Lyon, France, and this year's meeting honored him as president-posthumous. Dr. Dunne was internationally known for his research on hog cholera and other swine diseases.

Dr. Parris H. Chang, professor of political science, has written an article entitled, "Mao's Unfinished Revolution," which was published in the August issue of Current Scene.

Dr. Leon R. Kneebone, professor of botany and plant pathology, and **Dr. Paul J. Wuest,** professor of plant pathology, were featured speakers at the 22nd Annual Conference of the Canadian Mushroom Growers Association held recently in Toronto. Dr. Kneebone participated on a panel dealing with "What Mushroom Growers Should Be Thinking about when Planning for the Future" and served as chairman for two seminar discussions. Dr. Wuest presented a paper, "Diagnosing a Problem and Steps to Take in Solving It." He also served on a panel discussing "Recent Changes in Growing Methods" and chaired two seminar discussions.

Rodelle S. Weintraub, instructor in the Department of English since 1973, has been promoted to assistant professor. Mrs. Weintraub joined the Penn State faculty in 1966 as an acting instructor. She received her B.S. in education at Temple University in 1954.

Eric Zanot, assistant professor of advertising, delivered two papers at the recent annual convention of the Association for Education in Journalism at the University of Maryland. Mr. Zanot spoke on "Before the National Advertising Review Board. A History and Evaluation of Self-Regulation in Advertising to 1970" and co-authored "Perceptions of the Advertising Role as Held by Future Practitioners and their Neighbors."

Prof. Gordon F. DeJong, associate professor **Joseph F. Faulkner,** both of the Department of Sociology, and associate professor **Rex H. Warland** of the Department of Agricultural Economics and Rural Sociology have co-authored an article, "Dimensions of Religiosity Reconsidered: Evidence from a Cross-Cultural Study," published in the June issue of Social Forces.

Dr. John W. Stocum, professor of organizational behavior, has been named a fellow of the Academy of Management. The author of more than 75 articles and three textbooks, Dr. Stocum came to Penn State in 1967. He has a B.B.A. from Westminster College, an M.B.A. from Kent State, and a Ph.D. from the University of Washington.

Joseph Jay Rubin, professor of American literature and author of a biography of Walt Whitman, was one of Whitman scholars chosen to contribute to an international symposium in the poet's honor. Prof. Rubin wrote an article titled, "Plea to the Media," a critique of a play about Whitman aired by CBS last spring. He criticized what he said was the play's inept treatment of the poet's homosexuality and the program's historical inaccuracy.

Bill Solley, assistant professor of criminal justice at Berks, has been appointed by Reading Mayor Joseph Kuzminski as a member of an Independent Evaluation Board, to evaluate the rate of progress and the quality of the product produced by an Automated Data Base being established by the City of Reading. This is the first phase of the City of Reading's effort to establish a computerized police information system.

Dr. Ingeborg Chaly, assistant professor of speech at Behrend College, is the author of "The Rhetoric of Obstruction. Parliamentary Tactics of the Irish Nationalists; 1877-1888" in the Journal of the Speech Communication Association of Pennsylvania and also of "The Rhetoric of the Criminal Trial Judge," which will appear in Speaker and Gavel.



Dr. Harold W. Perkins, now in his 18th year as director of the Berks Campus, was honored at a recent meeting of Commonwealth Campus directors in recognition of his 25 years of service to the University.

A native of Sharon, Dr. Perkins received his B.A. from Washington and Jefferson College and his M.S. and D.Ed. at Penn State. He began working at the University part-time as an assistant dean of men in 1949, beginning full-time in 1951. He was an associate dean of men at University Park until his appointment at the newly-formed Berks Campus in July, 1959.

Prior to his career at Penn State, Dr. Perkins was director of admissions at Washington and Jefferson, where he also held the post of alumni secretary. During World War II, he served in the U.S. Air Force as a special services and information-education specialist.

Lois Boe Hyslop, professor emerita of Romance languages, is the author of an article on Baudelaire and Proudhon published in the summer issue of French Studies (Oxford).

Dr. Walter S. Ceglowski, associate professor of microbiology, presented a colloquium at the zoology department of Drew University on Sept. 16. His topic was "Immunology of Experimentally Induced Cancers."

Dr. H. R. Hardy Jr., professor of mining engineering and director of the rock mechanics laboratory, recently served as chairman of the acoustic emission session and presented a paper, "Acoustical Emission as a Nondestructive Tool for Monitoring the Stability of Underground Geologic Structures," at the 6th World Conference on Nondestructive Testing held at Cannes, France.

Vilma R. Hunt, associate professor of environmental health, participated in the 36th annual Congress on Occupational Health of the American Medicel Association Sept. 20 and 21, in Rochester, N.Y. Prof. Hunt moderated a panel, "Women at Work," and presented a paper, "Exposure to Hazardous Work Conditions — Protection for Women Workers?"

Dr. Daniel R. Franki, professor of physics, presented a colloquium at Case Western Reserve University Sept. 30. His talk was titled "Diffraction and Selective Adsorption of Atomic Beams on Alkali Halides."

Bookshelf

Dr. Gideon Golany, professor of urban and regional planning, is the author of "New-Town Planning: Principles and Practices," published this month by John Wiley and Sons. A comprehensive and fully illustrated analysis of the process, principles and practice of planning and development, the volume presents an argument for building new towns and urban settlements, suggesting that these represent an alternative solution to urban congestion, regional economic depression and depopulation. In reviewing the book, Lewis Mumford said: "Professor Golany's work opens a new phase in the ecology and sociology of planning." The book includes case studies drawn from all over the world. Dr. Golany develops in the text a site selection principle which can be applied to previously undeveloped areas or to the development of new towns within existing urban centers.

In August, "Innovafions for Future Cities," a compilation of recent research in the field of urban planning edited by Dr. Golany, was published by Praeger Publishers. In the text, each of 11 contributors discusses current innovations in his area of expertise and related information and issues. A chapter written by Dr. Golany on the use of energy-free cooling systems for houses in the desert, proposes a low cost system which could be of great value to developing nations.

Dr. Golany received his B.A., M.A. and Ph.D. from the Hebrew University, Jerusalem. He also holds a master of science degree from Technion — Israel Institute of Technology, Haifa, Israel, and a diploma in comprehensive planning from the Institute of Social Studies at The Hague. He is the author of numerous monographs, articles and papers, and of six other books including "Strategy for New Community Development in the United States" (1976), "The Contemporary New Communities Movement in the United States" (co-edited with Daniel Walden, 1974) and "New Towns Planning and Development: A Worldwide Bibliography" (1973).

Dr. William A. Vogely, professor and head of the Department of Mineral Economics, is co-editor of a book, "Energy Supply and Government Policy," to be published Nov. 1 by Cornell University Press. His co-editor is Robert J. Kalter, professor of resource economics at Cornell.

The book includes 14 essays describing current government policies with regard to energy supply and examining their implications. Dr. Vogely and Dr. Kalter wrote an introductory chapter, and Dr. Vogely also authored a chapter on "Federal Government Energy Organization." Two of the other chapters are written by Penn State professors of mineral economics — Dr. **Richard L. Gordon** on "Coal — The Swing Fuel" and **Dr. John Tilton** on "The Role in Energy Research and Development.'

Appointments

Joseph P. Yaney as professor of business administration at Capitol Campus. A.B., M.B.A. and Ph.D., U. of Michigan. Former associate professor at Ohio State U.

Lynn S. Liben as associate professor of individual and family studies. B.A., Cornell U.; M.A. and Ph.D., U. of Michigan. Former assistant professor at U. of Rochester.

D. Bruce Armitage as assistant professor of chemistry at Mont Alto. B.S., Youngstown U.; Ph.D., U. of Hawaii. Former teacher in Ohio.

William H. Foeller as assistant professor of economics at Capitol Campus. B.A., U. of New Mexico; Ph.D., Iowa State U. Former assistant professor at Northeastern Oklahoma State U.

William R. Kienzle as assistant professor of history at Shenango Valley. B.A., St. Vincent's College; M.A., Ohio U.; Ph.D., Penn State.

Bernard G. Krimm as assistant professor of English. B.A., La Salle College; M.A. and Ph.D., Northwestern U. Former part-time instructor at Northwestern.

James J. McCarthy as assistant professor of accounting at Capitol Campus. B.S., Juniata College; M.B.A., Penn State. Former staff accountant in Harrisburg.

Andris Niedra as assistant professor of mathematics at Beaver. B.S., Carnegie Institute of Technology; Ph.D., U. of Pittsburgh. Former associate engineer with McDonnell Douglas.

Sak Onkvisit as assistant professor of marketing at Capitol Campus. B.S.B.A., Bangkok; M.B.A., U. of Arkansas; D.B.A., U. of Kentucky.

Kenneth L. Padgett as assistant professor of accounting at Capitol Campus. B.A. and M. Accounting, U. of South Florida.

Kenneth W. Polter as assistant professor of geology. B.S., Louisiana State U.; Ph.D., Johns Hopkins U.

David E. Roth as assistant professor of engineering at Behrend College. B.A.E. and M.S., Penn State. Former part-time teacher at Behrend College.

Norman Rubin as assistant professor of computer science, C.S., City College of New York; M.S. and Ph.D., New York U. Former systems programmer at City University of New York.

Gladys E. Seunders as assistant professor of French. B.A., Hampton Institute; M.A., U. of Wisconsin; Ph.D., U. of Michigan. Former professor of English in the Peace Corps in Tunisia.

(Continued on page four)

University Park Calendar

September 30—October 10

Items to be included in this calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special events

Thursday, Sept. 30

Women in Communications, Inc., 7 p.m., HUB assembly room. Speakers: Lynn Haskin, journalism, Delaware Campus, and Don Haskin, city editor, Philadelphia Daily News.

Penn State International Council, panel discussion series, film, on "Collective imperialism and the Armament Struggle," 8:30 p.m., Room 101 Kern.

Friday, Oct. 1

Sports: Soccer, vs. West Virginia, 7 p.m.

GSA Coffeehouse, 8 p.m., Room 102 Kern.

Artists Series, Gary Karr, double bass, 8:30 p.m., Schwab.

Saturday, Oct. 2

Folklore Society Square Dance, 8 p.m., HUB ballroom.

Sunday, Oct. 3

Chapel Service, 11 a.m., Music Bldg. recital hall. "Re-Creation," Penn State musical group.

Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Elder Joseph Garlington, Pittsburgh.

Monday, Oct. 4

Thalia Trio, 8:30 p.m., Music Bldg., recital hall.

Tuesday, Oct. 5

Gallery Talk, Jeffrey Wortman, "Antwerp Drawings and Prints from the 16th and 17th Centuries," 10:30 a.m., Museum of Art.

Sports, Women's field hockey, vs. Bucknell, 3 p.m.

Comp Lit Luncheon, 12:15 p.m., Faculty Club. Manfred Keune, German Dept., on "An Immodest Proposal."

Women in Communications, Inc., 7 p.m., Room 324 HUB.

GSA thesis workshop, 7:30 p.m., Room 101 Kern.

Thursday, Oct 7

Sports, Women's tennis, vs. William & Mary, 11 a.m.

University Theatre, "Scapino," 7:30 p.m., Pavilion Theatre

University Readers, 8 p.m., Room 112 Kern. "Un Spectacle Moliere," 8 p.m., University Auditorium.

Friday, Oct. 8

Sports: Soccer, vs. Army, 7 p.m.

University Theatre, "Scapino," 7:30 p.m., Pavilion Theatre

Campus 4-H Club Square Dance, 7:30 p.m., HUB ballroom

GSA Coffeehouse, 8 p.m., Room 102 Kern.

University Readers, 8 p.m., Room 112 Kern.

Saturday, Oct. 9

Sports: Football, vs. Army, 1:30 p.m.

University Theatre, "Scapino," 7:30 p.m., Pavilion Theatre.

Sunday, Oct. 10

Chapel Service 11 a.m., Eisenhower Chapel. Charles L. Coleman, program director, Religious Affairs.

Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Pastor Gerald G. Loyd.

Sports: Women's cross country vs. Pittsburgh, Maryland, 1 p.m.

University Theatre, "Scapino," matinee 2 p.m., Pavilion Theatre.

Reception for Angelo Savelli, visiting artist, 3-5 p.m., Zoller Gallery.

Artists Series, "Naughty Marietta," 8:30 p.m., University Auditorium.

Seminars

Thursday, Sept. 30

Agronomy, 8:15 a.m., Room 309 Tyson. Dr. R. Harker, "Adsorption at Solid-Solution Interfaces."

Natural Disasters, 2:20 p.m., Room 302 Mineral Industries. B. F. Howell, Jr., geophysics, on "Gumbel's Theory of Extreme-Event Prediction as a Means of Predicting Earthquake Hazard."

Chemistry, 12:45 p.m., Room 333 Whitmore. Dennis Johnson, Iowa State University, on "Applications of Electroanalysis to Liquid Chromotography."

Anthropology and Population Issues Research, 3:30 p.m., Room 107 Kern. Dr. William Irons, anthropology, on "Social Organization and Population: A Case Study from Iran."

Physics, 3:50 p.m., Room 117 Osmond. Dr. R. W. Jackiw, MIT, on "Solitons in Particle Physics."

Meteorology, 4 p.m., Room 26 Mineral Sciences. Nelson Seaman, graduate student, on "Comparison of Explicit and Semi-Explicit Mesocale Model Flows over Complex Terrain."

Microbiology and Cell Biology, 4 p.m., Room 52 Frear. Arnold H. Horwitz on "Ecology of 'Agromyces Ramosus' and Its L-Phase Variant."

Acoustics, 4 p.m., Room 71 Willard. Craig B. Putnam, graduate assistant, ARL, on "Mechanical Antivibration Filter Design Using Electrical Network Synthesis Techniques."

Friday, Oct. 1

Surface Physics, 11 a.m., Room 339 Davey. G. Rosenblatt, chemistry, on "Energy Transfer Mechanisms in Gas-Surface Collisions."

Organic Chemistry, 12.45 p.m., Room 333 Whitmore. Dr. S. Shostakovsky on "Catalytic Conversion of Furanes."

Chemical Engineering, 3:45 p.m., Room 140 Fenske. Stuart Churchill, University of Pennsylvania, on "A Correlating Equation for Almost Everything."

Philosophy, 4 p.m., Room 112 Buckhout. Jurgen Habermas, Max Planck Institute, on "Hannah Arendt's Concept of Power."

Monday, Oct. 4

Biochemistry, 3:55 p.m., Room 101 Althouse. Dr. Robert Crane, physiology, Rutgers University, on "The Gradient Hypothesis: Non-covalent Coupling Mechanisms for Energy Transduction in Membrane Active Transport by Living Cells."

Tuesday, Oct. 5

Urbanization, 9:35 a.m., Room 318 Sackett. Dr. Leon Francis Hollman, Romance languages, Princeton University, on "Urban Slums in Paris in the Romantic Period."

Plant Pathology, 9.45 a.m., Room 213 Buckhout. B. Hurwitz. "Aspects of Chemical and Physical Resistance Mechanisms to Vascular Wilt Fungi"

Biochemistry, 11:10 a.m., Room 101 Althouse. Dr. Robert Crane, "The Gradient Hypothesis. Studies for Na+ and H+ Coupled Systems with Isolated Natural Membranes and Reconstituted Artificial Systems."

Air Pollution Control, 2:20 p.m., Room 140 Fenske. Joseph Jacobs, Manager of Air Pollution Control and Industrial Hygiene Group, Gannet, Fleming, Corddry, and Carpenter, Harrisburg, on "Role of Consulting Engineering in Air Pollution Control."

Engineering Science and Mechanics, 4 p.m., Room 206 Hammond. Robert L. McCleary, Manager of Consumer Affairs, Corning Glass Works, on "Decision Making, Planning and Communication."

Wednesday, Oct. 6

Fuel Science, 4 p.m., Room 244 Deike. Or. Om. P. Mahajan, senior research associate, on "Differential Scanning Calorimetric Studies of Hydrogenation of Coal."

Inorganic Chemistry, 8 p.m., Room 333 Whitmore. William deW. Horrocks, Jr., "Lanthanide Ions as Structural Probes."

Thursday, Oct. 7

Agronomy, 8:15 a.m., Room 309 Tyson. Dr. J. M. Botlag, "A Swiss Sabbatical — Research, 'The Alps', Ciba-Geigy and 'Scientific' Excursions."

Chemistry, 12:45 p.m., Room 333 Whitmore. Eugene H. Cordes, Indiana University, on "^{13}C NMR of Human Plasma Lipoproteins."

Physics, 3:50 p.m., Room 117 Osmond. Herbert Uberall, Naval Research Lab. and Catholic University, on "Intermediate Energy Nuclear Reactions of Pions, Muons, and Neutrinos."

Meteorology, 4 p.m., Room 26 Mineral Sciences. Dr. John Hovermale, National Oceanic and Atmospheric Administration, Washington, O.C., on "Semi-Operational Experiments with the Weather Service Movable Fine-Mesh Model"

Films

Thursday, Sept. 30

GSA Commonsplace Theatre, "The Big Heat," 7 and 9:30 p.m., Room 112 Kern.

Monday, Oct. 4

France Cinema, "My Night at Maud's," 7 and 9 p.m., Room 112 Kern.

Wednesday, Oct. 6

GSA Commonsplace Theatre, "The House of Usher," 7:30 and 9:30 p.m., Room 112 Kern.

Artists Series Truffaut film festival, "Shoot the Piano Player," 8 p.m., University Auditorium.

Exhibits

Museum of Art: Selections from the Permanent Collection, Gallery B. Recent Works by Stephen Porter, Gallery C. Antwerp Drawings from the 16th and 17th Centuries, opening Oct. 3.

Zoller Gallery: Graduate Student Exhibition through Oct. 3. Angelo Savelli, visiting artist, Oct. 7-17.

Chambers Gallery: Frank Howell, Drawings. Kenneth Bettel, Ceramics.

Museum of Art-HUB Gallery: Selections from the Museum's Permanent Collection.

Kern Gallery: Renaissance Group Exhibition, multi-media. Judi Kellas, Prints, through Oct. 2. Louis Grossman, Photography. Stephen Gerhart, Jewelry, through Oct. 16.

Walnut Bldg Gallery: "Blacks in the Westward Movement," Smithsonian Institution Exhibit.

New Kensington Campus: Paintings and Paper Reliefs, Elizabeth Slaney, through Oct. 6.

Alloona Campus: Central Pennsylvania Faculty Art Exhibit, through Oct. 22, Ivyside Gallery.

Meetings

Friday-Saturday, Oct. 1-2

Fixed date for meetings involving Commonwealth Campus faculty

Sunday, Oct. 3

Interfandia Folk Dancing, 7:30 p.m., small gym, White.

Monday, Oct. 4

Bridge Club, 6:30 p.m., Room 301 HUB.

Wednesday, Oct. 6

Chess Club, 7 p.m., HUB gameroom.

Penn State Faculty Club annual meeting, 8 p.m., Faculty Club.

Arts roundup



Half-length of a Peasant with a Hen'

Antwerp works on exhibit

A major Bicentennial exhibition from Belgium of work by over 50 of Antwerp's master draughtsmen and engravers will open on Sunday, Oct. 3, in the Museum of Art.

"Antwerp Drawings and Prints from the 16th and 17th Centuries" was organized by the city of Antwerp in collaboration with the Belgian Ministry of Foreign Affairs and is sponsored by the Belgian Embassy. Circulated by the Smithsonian Institution Traveling Exhibition Service as part of its International Salute to the States program, the exhibition is supported by the American Revolution Bicentennial Administration.

The prints and drawings were selected by Dr. Leon Voet, director of the Plantin-Moretus Museum and the Antwerp Gallery of Prints, assisted by Jeffrey Wortman, an American scholar of Flemish art, who will present a gallery talk on the exhibit at 10:30 a.m. on Tuesday, Oct. 5, in the Museum.

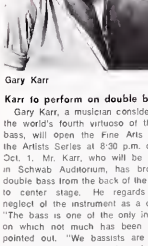
Parallel with its rise to economic power in the 16th century, Antwerp grew into one of the major art centers in Europe. Reflecting this artistic excellence in the exhibition are 122 drawings, prints and albums, whose themes include religion, mythology, fantasy, allegory, the sea, and the great specialities of 16th century Antwerp — landscape, portrait and genre.

There are drawings by 31 artists including Martin de Vos, Jacob Jordaens and Anthony Van Dyck, and graphics by 35 printmakers, including Heironymous Cock, Cornells Metsys, Philip Galle, Peter Paul Rubens and Christopher Jegher.

Approximately ten albums show engravings and woodcuts made for books, in addition to the prints and drawings.

Auditorium gets new phone number

For the convenience of callers seeking ticket or event information, a new telephone number covering four new lines has been assigned to the box office at University Auditorium. The new number, 863-0255, will rotate a call through the four lines and will produce a ring in the box office if any of the four is not in use. Callers will thus receive a busy signal much less frequently than with the previous number.



Gary Karr

Karr to perform on double bass

Gary Karr, a musician considered to be the world's fourth virtuoso of the double bass, will open the Fine Arts Series of the Artists Series at 8:30 p.m. on Friday, Oct. 1. Mr. Karr, who will be appearing in Schwab Auditorium, has brought the double bass from the back of the orchestra to center stage. He regards previous neglect of the instrument as a challenge. "The bass is one of the only instruments on which not much has been said," he pointed out. "We bassists are lucky — we have none of the traditional pressures and endless room for creativity." Individual tickets for Mr. Karr's performance went on sale Tuesday, Sept. 26, and if any are left, they may be purchased at the University Auditorium box office or the Artists Series HUB booth.

Thalia Trio opens season

The Thalia Trio will perform works by Mozart, Bloch and Saint Saens at the group's first concert of the new academic year at 8:30 p.m. on Monday, Oct. 4, in the Music Bldg. recital hall.

The performance of Mozart's Trio in E Major will complete the Thalia Trio's public performance of all the composer's works for trio. The group has also performed all the Beethoven trio repertoire. Bloch's Nocturnes for Trio will be performed as part of the Thalia's Bicentennial year commitment to American composers. A naturalized U.S. citizen, Ernest Bloch taught composition for many years in Cleveland, Ohio. Trio members Robert Baisley, piano, professor and head of the Department of Music, and Joanne Zagst, violin, and Leonard Feldman, cello, both associate professors of music, will conclude their program with Saint Saens' First Trio, opus 18.

Women subject of photo show

Twenty-one photographs dealing with women by Debora Hunter, an instructor at Southern Methodist University, will be shown through Oct. 7 in Room 212A Arts Bldg. The exhibit is open from 1 to 5 p.m., Mondays through Thursdays.

Miss Hunter, who has studied and taught photography at the Rhode Island School of Design, formerly was a member of the faculty at the Swain School of Design in New Bedford, Mass. She has exhibited widely, and her work was included in the 1975 anthology, "Women See Women," published by Crowell Publishers.

Milton Eisenhower collects emeritus title after 20 years

Dr. Milton S. Eisenhower, who at the time of his resignation from the presidency of Penn State 20 years ago declined the title of "President Emeritus," was awarded that title last Friday.

The title was conferred by William K. Ulerich, president of the Board of Trustees, "on behalf of my fellow trustees of a former day." Mr. Ulerich was a trustee when Dr. Eisenhower resigned.

Dr. Eisenhower, twice retired from the presidency of The Johns Hopkins University since he left Penn State in 1956, was presented a colorful illuminated certificate drawn up and dated Aug. 24, 1956, which for the past 20 years has been slowly yellowing in Old Main's central files. It was placed there after Dr. Eisenhower had politely declined the emeritus title.

The Board of Trustees voted on June 29, 1956, to approve the honorary title for Dr. Eisenhower, but, at Dr. Eisenhower's request, postponed indefinitely the effective date of his election as President Emeritus.

"Most likely it will be no more than ten years before I retire from active service in the field of education," President Eisenhower wrote in his request. "If at that time, my services to Penn State seem still to merit the high distinction of having the rank of President Emeritus, I would be deeply grateful to the Trustees for implementing the decision taken on June 29, 1956."

Dr. Eisenhower, now living in Baltimore, Md., had returned to Penn State to join Mr. Ulerich and President Oswald in the dedication of a new unit to the Helen Eakin Eisenhower Chapel, which is named in memory of his wife.

At a dinner at University House on Thursday night, President Oswald advised Dr. Eisenhower of the desire of the Board to confer the honorary title and read the certificate that has been in the files for 20 years.

Dear President Eisenhower:

The strenuous efforts which the Trustees made to have you remain as President of Penn State provide eloquent testimony of their affection and esteem for you as a person, and of their appreciation of your administrative achievements during the past six years.

When you came to the campus in July 1950, the institution was a College in name and, in many ways, it was a College in fact. Today it is recognized throughout the nation for what it is — an outstanding American university with a brilliant future. This transition was, of course, the work of many persons — faculty, staff, alumni, officials of the State government, and others. But, such rapid yet sound progress required the constant stimulus of inspired leadership. It required, too, the rare ability to convert diverse and random forces into constructive achievement. Because you possess both qualities in an extraordinary degree, Penn State's usefulness to the Commonwealth has been vastly extended.

The Trustees are mindful of the fact that the physical and mental toll of such strenuous effort has been heavy. Your self-sacrificial devotion to the welfare of the institution enhances the inspirational example you have provided, and dramatically defines the price of continuing progress. In recognition of your unstinting service, the Trustees of the University have voted unanimously to bestow upon you the unique title, "President Emeritus." They have also directed me to prepare, and send to you, this testimonial of their appreciation, to convey their heartiest good wishes for the future, and to assure you a warm welcome anytime you can return for a visit to the campus which so indelibly bears the imprint of your genius.

Appointments

(Continued from page two)

Laura L. Sims as assistant professor of biological health and nutrition. B.S., Penn State; M.H., U. of Michigan; Ph.D., Michigan State U. Former assistant professor at Indiana U.

Diane C. Smallen as assistant professor of French at Worthington Scranton. B.A., New York U.; M.A., Middlebury Graduate School; Ph.D., New York U.

Leopold J. Sukiennik as assistant professor of engineering at New Kensington. B.S.C.E., M.S.C.E., Politechnika Wroclawska in Poland. Former engineer in Pittsburgh.

Ronald A. Usiewicz as assistant professor of human development. B.S., Penn State; M.S., U. of Wisconsin; Ph.D., Kent State U. Former assistant professor at U. of Akron.

Zenaida E. S. Uy as assistant professor of physics at Shenango Valley. B.S., U. of the Philippines; M.S. and Ph.D., State University of New York. Former assistant professor at U. of Philippines.

David H. Williams as assistant professor of accounting at Capitol Campus B.S. and M.S., Penn State. Former staff accountant with Price Waterhouse and Co., Pittsburgh.

Ronald E. Yasbin as assistant professor of microbiology. B.S., Penn State; M.S., Cornell U.; Ph.D., U. of Rochester.

John M. Caporali as instructor in health, recreation and physical education at Shenango Valley. B.S. and M.S., Slippery Rock College. Former director of intramurals in Lower Burrell, Pa.

Donald L. DeMuth as instructor of accounting at Capitol Campus. B.A., Franklin and Marshall College; M.B.A., Wharton School, U. of Pennsylvania.

James E. Gaddis as instructor of business management at Shenango Valley. B.S. and M.B.A., Youngstown State U.

Thomas D. Hudson as instructor of journalism at Shenango Valley. B.S. and M.A., Edinboro State College. Former instructor at U. of Georgia.

Richard f. Lipscher as instructor in art at Shenango Valley. B.F.A., Penn State; M.F.A., Maryland Institute.

John R. Terrell Jr. as instructor in business administration at Delaware County. B.A., Johns Hopkins U.; M.B.A., Wharton School, U. of Pennsylvania. Former instructor at Community College of Philadelphia.

James C. Skelly as research assistant in Applied Research Laboratories. B.S., Penn State.

Philip W. Mohn as lecturer in microbiology. B.S., Muhlenberg College; M.S., and Ph.D., Lehigh U.

Staff vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Oct. 7, 1976. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

ADMINISTRATIVE ASSISTANT FOR ACADEMIC SERVICES — Ogontz Campus

Responsible to the Associate Director for Academic Affairs for the administrative functions of scheduling, records maintenance and security, registration, and admissions, and for supervising clerical support personnel in these areas of operation. Bachelor's degree or equivalent, plus one to two years of directly related experience in an administration area such as scheduling, registration, etc. Supervision and office management highly desirable.

ADVISOR/CONSULTANT — Behrend College

Conduct freshman testing and counseling program, assist with academic advising, plan and maintain Undergraduate Studies Academic Information Center, provide professional evaluation and counseling to students for educational or academic type problems. Master's degree or equivalent, with one to two years of academic advising experience. College teaching experience desired

JR. COPY EDITOR, UNIVERSITY PRESS

University Park

Responsible for editing and proofreading book manuscripts in accordance with standard usage, house style, and special requirements. Responsible for checking copyright permissions and for liaison with production, design and advertising personnel. Bachelor's degree or equivalent, plus one to two years of experience in editorial practices.

AREA REPRESENTATIVE — New Kensington

Responsible for the functions of developmental, organization, operation, and administration of Continuing Education programs and services within an assigned geographic district. Bachelor's degree or equivalent, with two or three years of related experience in business, industry or education.

Elsewhere in academe

Med school applicants down

Applications for this fall's entering classes in the nation's medical schools were down, possibly by as much as 3 percent, according to the Association of American Medical Colleges. This is the first decline in ten years; between 1965 and 1976, the number of students applying to medical schools rose by more than 200 percent. A slight decline was also recorded this year among the 45 institutions belonging to the American Association of Dental Schools, and the Educational Testing Service reported that 173 fewer students took the Law School Admissions Test.

Bonnell new PACU head

Dr. Allen T. Bonnell, president of the Community College of Philadelphia, has been elected to a one-year term as president of the Pennsylvania Association of Colleges and Universities (PACU), succeeding Dr. Oswald in the post. Headquartered in Harrisburg, the PACU represents 118 public and private institutions of higher education located throughout the Commonwealth. Since its founding in 1896, it has provided a forum where college and university leaders can discuss their common concerns. In addition, PACU is the agency through which the State's higher education community speaks on matters of public policy.

Cornell repeals some rights

Cornell's trustees have voted to repeal legislation passed during campus upheavals of the past decade giving the University Senate — composed of students, faculty and staff — the right to appoint members to the trustees' presidential search committee. The board justified another decision — to abolish student veto power over the trustees' proposed nominees — on the basis of declining student interest, concern about confidentiality and the fact that the responsibility for selection of a president rests by law with the trustees. The question is not academic. Cornell is searching for a new president to succeed Dale R. Corson, who plans to step down next July.

Application form standardized

Eighty-three private colleges, ranging from Columbia and Princeton to Colorado College, have agreed to recognize a new common application form in an effort to simplify the college admissions process. High school seniors will be able to complete a six-page form and then send photocopies to as many participating colleges as they choose. Not all schools will accept the form, however. Harvard and Northwestern are both opposed to the project, partly, they say, because the form does not contain all the information they deem necessary.

Jefferson is the favorite

In a poll conducted by the American Institute of Architects, the University of Virginia received the greatest number of nominations for being the outstanding example of American architecture over the past 200 years. Thomas Jefferson's design for the University was preferred over that for his own home at Monticello by a majority of the 46 architectural practitioners, critics and academicians responding to the poll.

New parking maps issued

New parking maps have been issued to all faculty and staff, and several changes appear on them. These include:

—The visitor parking area across from Wagner Bldg. at East Halls has been moved to the Orange L parking area across University Drive from Shields Bldg. This will be no attendant in this visitor area.

—In a last-minute decision, reached too late to be incorporated in the maps, the area vacated by the visitor area at East Halls will be designated as Orange D (not Orange B) and will not be in open area.

—Red C parking area has been designated an open faculty-staff lot.

—The northeast corner of student parking area 83 at Business Services has been designated as an open faculty-staff parking area.

—Parking area Green H has been redesignated as Green D.

—Perking area Yellow D and parking area Yellow A (compact car area only) have been redesignated Yellow C.

—The Nittany Lion Inn-Faculty Club parking area is only for guests of the Inn and Faculty Club.

— The visitor parking area by the Creamery has been moved from Yellow F to Yellow E.

Minor changes have also been made in the driving and parking rules and regulations listed on the back of the map. The most important, under regulations governing loading, unloading, pick-up and delivery, is that the use of emergency lanes is now part of the rules and regulations.

Job pool

The following announcement was prepared by the University's Employment Division:

The University annually receives grants for projects designed to fulfill specific research responsibilities.

Such research grants or projects are normally of fixed duration and sometimes relatively short duration. In most instances University project administrators must act quickly in making selections of staff personnel for their projects. Therefore, it is desirable to have an available pool of faculty and staff members who are interested in applying for such research staff positions.

This announcement is made so that qualified individuals may make their interests known. The types of research staff positions typically available are: Senior Project Associate, Project Associate, Project Assistant, Senior Research Technologist, Research Technologist and Research Technician.

The types of discipline backgrounds required vary, depending on the projects involved. They may include physics, engineering, agriculture, mathematics or chemistry, but are not limited to these areas.

If you apply, your name will be placed in the pool of candidates that will be considered as such opportunities arise. An announcement similar to this will be made each six months.

If you feel that you are interested in and have a background related to typical University research projects, you may apply now or in the future for such research support staff positions by calling the University's Employment Division, 865-1387 (network 475-1387).

WPSX highlights

Orange County, California, is viewed as a microcosm of a national dilemma — our "need to pollute" — on **No Room at the Table**, at 9:30 p.m. on Friday, Oct. 1. The half-hour documentary views pollution as a need built into the nation's social and economic systems and calls for realistic social, economic and political alternatives.

Six little-known heroines of the American Revolution are profiled on **The Right to be Remembered** at 10:40 p.m. on Saturday, Oct 2. Among those whose lives are examined are Judith Sargent Murray, the first American woman to write on the equality of the sexes, and Elizabeth Freeman, the first black woman to sue for and win her freedom in a Massachusetts court.

The Emmy Award-winning music special "Leonard Bernstein and the New York Philharmonic," is repeated on a **Great Performances** special at 8 p.m. on Sunday, Oct. 3. Mr. Bernstein conducts the orchestra in an all-Tchaikovsky program.

The summer's political conventions are considered from a black and hispanic perspective on **Convention '76: A Minority Report** at 10 p.m. on Sunday, Oct. 3.

Ed Flanders portrays President Harry S. Truman in a one-man performance of **Harry S. Truman: Plain Speaking** at 9 p.m. on Tuesday, Oct. 5.

PENN STATE intercom

Volume 5, Number 52 October 7, 1976

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Institute names 4 new Fellows

Four faculty members have been named Fellows of the Institute for the Arts and Humanistic Studies, according to director Stanley Weintraub. The designation is open to faculty of professorial rank who have achieved national or international distinction in the arts or the humanities.

Those named are Dr. Gerard Brault of the Department of French, Raymond H. Brown and Robert F. Trehy of the Department of Music, and Dr. Warren W. Hassler of the Department of History.

Dr. Brault, a medievalist, was elected to the Mediaeval Academy of America this year and is an international authority on heraldry and its applications to literature. He is the author of "Early Blazon: Heraldic Terminology in the 12th and 13 Centuries," published in 1972, and "Eight 13th Century Rolls of Arms in French and Anglo-Norman Blazon," published in 1973.

He is editor of a soon-to-be-published two-volume edition of "The Song of Roland." He was a Fulbright Fellow to France in 1956, and a Guggenheim Fellow and Fulbright Research Scholar to the same country in 1968. He was elected a life member of the Academie Internationale d'Heraldique in 1972.

Prof. Brown founded the Penn State Singers in 1957 and became University choral director in 1966. He has conducted the choirs with the Pittsburgh Symphony in New York and Pittsburgh, and on tours of Europe, Greece and Israel. He is the 1975 recipient of the Alpha Phi Omega Distinguished Service Award, presented to the faculty or staff member who has rendered outstanding service to the student body.

In December he will open the annual convention of the National Association of Teachers of Singing in Philadelphia by leading the Penn State Singers in selections from "Be Glad Then America," which he directed here last February.

Dr. Hassler was visiting professor of military history during 1975-76 at the U.S. Army Command and General Staff College at Fort Leavenworth, Kans., where he was the first occupant of the John F. Morrison Chair of Military History.

He is author of the extensive American Civil War article in the current Encyclopaedia Britannica. His books include "George R. McClellan: Shield of the Union," "Crisis at the Crossroads: The First Day of Gettysburg," "Commanders of the Army of the Potomac" and "The President as Commander in Chief."

Prof. Trehy has sung leading baritone roles with the New York City and Boston Operas, and the Wiesbaden and Karlsruhe State Operas. He has performed at international opera festivals in Berlin, Belgrade, Amsterdam and Wiesbaden.

Pror. Trehy has also performed with the symphony orchestras in Boston, Cleveland, Baltimore, Pittsburgh and Detroit. He is one of the leading interpreters of lieder in America.

Tax-sheltered annuity program

In a recent letter mailed to all full-time faculty and staff members, Robert A. Patterson, senior vice president for finance, announced that Oct. 15 to Nov. 30 has been designated as a period for faculty and staff to obtain firsthand information on the University's tax-sheltered annuity program.

Mr. Patterson's letter also announced the addition of a third insurance company, the Variable Annuity Life Insurance Company (VALIC), to participate in the University's program. The selection of the new company followed a recommendation made by a joint faculty-administrative committee appointed by President Oswald and the former chairman of the Faculty Senate, Dr. Helen Snyder. VALIC now joins the Equitable Life Assurance Society and the Teachers Insurance and Annuity Association (TIAA) as participating companies in the University's program.

To kick off the informational campaign, representatives from the Equitable, TIAA, and VALIC will visit the University Park campus for a series of open meetings on Monday, Oct. 18, and Tuesday, Oct. 19. The meetings will be held in Room 112, Kern Graduate Bldg. from 10 a.m. to 12 noon and from 3 to 5 p.m. on both days. At each meeting, a presentation by the three insurance companies' representatives about their particular product will be followed by a general question and answer session with the audience.

For the remainder of October, Equitable and VALIC personnel will be available from Monday through Friday in Rooms 318 and 319, Helzel Union Bldg. from 9 a.m. to 5 p.m. (except during the lunch hour) to provide individual consultation. A schedule for November will be announced later this month.

Personnel Representatives may also request speakers from the insurance companies for separate group meetings within their own college or department by contacting John V. Pezzoni, Room 130 Willard Bldg., 865-3419.

At the conclusion of the informational program at University Park, similar meetings and presentations will be scheduled for faculty and staff at the other campuses upon request by the deans or directors. Since representatives from TIAA will not be available to visit campuses other than University Park, faculty and staff members at those locations can secure information about TIAA by contacting the Employee Benefits Division.

Tax-sheltered annuities provide a method of accumulating tax-free dollars that is unique to non-profit institutions like the University. As was pointed out in Mr. Patterson's letter, faculty and stall members may find it in their interest to learn about the University's program and the three participating companies during the next month and a half. During the remainder of the year, interested faculty and staff members may contact Employee Benefits for information.

Ice skating classes for all ages, skills scheduled at rink

A second registration for Penn State's ice skating school program will be held from 7:30 to 9:30 p.m. on Friday, Oct. 8, in the Ice Pavilion. Classes are available at beginning through advanced levels for children, teen-agers and adults, and there are family rates. From 5:20 to 6:20 p.m. on Tuesdays, instruction will be provided for children and families. Adults and older youths will skate from 6:40 to 7:40 p.m., also on Tuesdays. There will be an adults-only class from 7 to 8 p.m. on Wednesdays and one for children and older youths from 12:30 to 1:30 p.m. on Saturdays. Lessons begin on Tuesday, Oct. 12.

News in brief

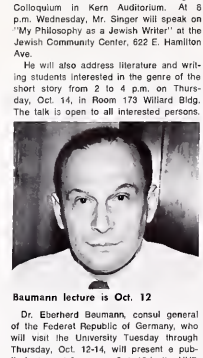


Singer to speak

Isaac Bashevis Singer, twice winner of the National Book Award for Fiction, will be in residence at the University the week of Oct. 11 as a visiting fellow of the Institute for the Arts and Humanistic Studies.

He will talk about his works to the Comparative Literature Luncheon in the Faculty Club at 12:15 p.m. on Tuesday, Oct. 12. At 8 p.m. that same evening, he will speak on "Literature and Folklore" at the English Colloquium in Kern Auditorium. At 8 p.m. Wednesday, Mr. Singer will speak on "My Philosophy as a Jewish Writer" at the Jewish Community Center, 622 E. Hamilton Ave.

He will also address literature and writing students interested in the genre of the short story from 2 to 4 p.m. on Thursday, Oct. 14, in Room 173 Willard Bldg. The talk is open to all interested persons.



Baumann lecture is Oct. 12

Dr. Eberherd Baumann, consul general of the Federal Republic of Germany, who will visit the University Tuesday through Thursday, Oct. 12-14, will present a public lecture at 8 p.m. on Oct. 12 in the HUB assembly room.

He will speak on "Germany and the Third World," discussing Germany's relationship with developing nations. It is expected also that he will comment on the federal elections which were held in Germany Oct. 3. President Oswald will be chairman for the program.

Dr. Baumann, who was assigned to the German consulate general in New York early last year, has worked closely with Penn State officials on several programs involving his country. These include foreign studies programs, under which Penn State students have attended the University of Cologne and the Technical Academy in Dermstadt, and a related program that brings exchange students from Cologne to Penn State.

Olympic film on tap

Bud Greenspan, writer, director, and producer of the widely acclaimed television series, "The Olympiad," will visit the University Oct. 7-9.

He will be accompanied by his wife and associate, Cappy Petrash.

On Thursday, Oct. 7, at 7:30 p.m. Mr. Greenspan will show his new experimental film, "An Olympic Symphony," in Room 102 Forum Bldg. At 12:45 p.m. on Friday, Oct. 8, he will lecture on "The Larger Meaning of Sport" in Room 109 White Bldg.

Winter reserve lists due

Reserve reading lists for winter term should be submitted to the Main Undergraduate Library on or before Tuesday, Oct. 19, to allow ample time for processing. Lists received after the deadline will be accepted only if material requested is not needed until the beginning of the third week of classes. All reserve lists will be processed strictly in order received. Only required readings, which will circulate either for a two hour period or for an overnight loan period, will be placed on reserve. Typewritten lists should be submitted on reserve forms which are available by mail or in person from the Undergraduate Library, W11 Pattee.

Israeli to talk on Zionism

Dr. Baruch Knei-Paz, Israeli political scientist, will be on campus from Thursday to Saturday, Oct. 7-9. Under the sponsorship of the local chapter of the American Professors for Peace in the Middle East, he will give a talk on "Zionism as a Social and Political Movement: Past, Present and Future" at 8:30 p.m. on Oct. 7 in Room 101 Kern Bldg.

Alard concert is Oct. 13

Beethoven's "Harp Quartet," opus 74 in B flat major, is among three pieces to be

(Continued on back page)

New military membership for Senate

Members of the Departments of Military Sciences at locations other than University Park would be included in the University Faculty Senate electorate under a proposal to be made at the Oct. 12 Senate meeting.

The Senate Elections Commission last year received requests from campuses other than University Park for the inclusion of Military Sciences faculty in the census report, and the Commission subsequently recommended their inclusion.

The Senate Committee on Committees and Rules has proposed an amendment to the Senate Constitution which, for the purpose of electing senators, would provide that:

"All members of the Departments of Military Sciences at locations other than University Park who fit the definition of the Senate electorate are included in the Senate electorate and census for that particular location."

Under the Senate Constitution, the proposed amendment cannot be voted until the next Senate meeting Nov. 9.

The Committee on Committees and Rules also will propose a change in the duties of the External Affairs Committee in its advisory role to the correct office.

The Standing Rules currently state that the Committee shall be the University Faculty Senate Advisory Body to the Vice President for Governmental Affairs. Since there is no Vice President for Governmental Affairs, it is proposed that it be changed to "those offices of the University responsible for external affairs."

In other Senate business, Dr. Robert W. Frank Jr., professor and head of the Department of English, will discuss University-wide support of standards in written English.

PENN STATE COLLECTION

University Park Calendar

October 7–17

Items to be included in this calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special events

Thursday, Oct. 7
University Press Book Show, 9 a.m., Kern lobby.
Sports: Women's tennis, vs. Williem & Mary, 11 a.m.
University Theatre, "Scapino," 7:30 p.m., Pavilion Theatre.
University Readers, 8 p.m., Room 112 Kern. "Un Spectacle Moliere," 8 p.m., University Auditorium.

Friday, Oct. 8
Bud Greenspan, film producer, on "The Larger Meaning of Sport," 12:45 p.m., Room 109 White.
Sports: Soccer, vs. Army, 7 p.m.
University Theatre, "Scapino," 7:30 p.m., Pavilion Theatre.
Campus 4-H Club Square Dance, 7:30 p.m., HUB ballroom.
GSA Coffeehouse, 8 p.m., Room 102 Kern.
University Readers, 8 p.m., Room 112 Kern.

Saturday, Oct. 9
Sports: Football, vs. Army, 1:30 p.m.
University Theatre, "Scapino," 7:30 p.m., Pavilion Theatre.

Sunday, Oct. 10
Famous Flaming Fall Foliage Hike in Thickhead Mountain Wild Area, 9 a.m. Penn State Outing Club.
Chapel Service, 11 a.m., Eisenhower Chapel. Charles L. Coleman, program director, Religious Affairs
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Pastor Gerald G. Lloyd.
Sports: Women's cross country, vs. Pittsburgh, Maryland, 1 p.m.
University Theatre, "Scapino," matinee 2 p.m., Pavilion Theatre.
Reception for Angelo Savelli, visiting artist, 3-5 p.m., Zoller Gallery.
Artists Series, "Naughty Marietta," 8:30 p.m., University Auditorium.
Tuesday, Oct. 12
Comp Lit Luncheon, 12:15 p.m., Faculty Club. Isaac Bashevis Singer speaking informally about his work
University Theatre, "Scapino," 7:30 p.m., Pavilion Theatre.
English Colloquium, 8 p.m., Room 112 Kern. Isaac Bashevis Singer, "Folklore and Literature."

Wednesday, Oct. 13
University Theatre, "Scapino," 7:30 p.m., Pavilion Theatre
Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.

Thursday, Oct. 14
Education Reference Materials Seminar, 7 p.m., Room W110 Pattee.
University Theatre, "Scapino," 7:30 p.m., Pavilion Theatre.

Friday, Oct. 15
Sports: Junior Varsity football, vs. Nassau Community College, 2 p.m. Soccer, vs. Maryland, 7 p.m.
University Theatre, "Scapino," 7:30 p.m., Pavilion Theatre.
GSA Coffeehouse, 8 p.m., Room 102 Kern. The Fred Waring Show, 8:30 p.m., University Auditorium.

Saturday, Oct. 16
Penn State Outing Club, backpack in Tuscarora Mountain to Tuscarora Mountain Shelter.
Sports: Men's cross country, Penn State Open; football, vs. Syracuse, 1:30 p.m. (Homecoming); women's field hockey, vs. Cortland, 10 a.m.
University Theatre, "Scapino," Pavilion Theatre. Matinee, 2 p.m., evening performance, 7:30 p.m.

Sunday, Oct. 17
Chapel Service, 11 a.m., Music Bldg. recital hall. Nelson Frank, former Pastor of St. Paul's Methodist Church.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Elder Harold McKenzie, State College.
Artists Series, Stars of the American Ballet, with Violetta Verdy and Peter Martins.

Seminars

Thursday, Oct. 7
Agronomy, 8:15 a.m., Room 309 Tyson. Dr. J. M. Bollag, "A Swiss Sabbatical — Research, 'The Alps', Ciba-Geigy and 'Scientific' Excursions."
Chemistry, 12:45 p.m., Room 333 Whitmore. Eugene H. Cordes, Indiana University, on "^{13}C NMR of Human Plesma Lipoproteins."
Physics, 3:50 p.m., Room 117 Osmond. Herbert Uberall, Naval Research Lab. and Catholic University, on "Intermediate Energy Nuclear Reactions of Pions, Muons, and Neutrinos."
Meteorology, 4 p.m., Room 26 Mineral Sciences. Dr. John Hovermale, National Oceanic and Atmospheric Administration, Washington, D.C., on "Semi-Operational Experiments with the Weather Service Movable Fine-Mesh Model."
SSS, MRL and Ceramic Science, 3:45 p.m., Room 189, MRL. Dr. Hans Jaffe, Cleveland Crystals, "History of Piezoelectric Ceramics."
Statistics, 4 p.m., Room 271 Willard. Sidney Addelman, SUNY at Buffalo, on "Mathematical Models and Experimental Designs."
Friday, Oct. 8
Analytical Chemistry, 11 a.m., Room 333 Whitmore. Dr. Peter Jurs, "Chemical Applications of Pattern Recognition."
Surface Science, 11:10 a.m., Room 339 Davey. M. W. Cole, "Theories of Atom-Surface Scattering."

Monday, Oct. 11
Organic Chemistry, 12:45 p.m., Room 333 Whitmore. Dr. H. H. Freedman, Dow Chemical. New England Lab., on "Applications of Phase Transfer Catalysis."
Biochemistry, 3:55 p.m., Room 101 Althouse. Dr. Tom Pretlow, pathology, University of Alabama, "Physical Methods for Separating Cells — Part I." Part II, Tuesday, Oct. 12, 11:10 a.m.

Tuesday, Oct. 12
Urbanization, 9:35 a.m., Room 318 Sackett. Dr. Priscilla Clark, University of Illinois, Chicago Circle, "Social and Cultural Development of French Urbanization in the Industrial Period."
Plant Pathology, 9:45 a.m., Room 213 Buckhout. G. Emberger, "Pseudomonas solanacearum'; the Cause of Bacterial Wilt."
ARL Technicat, 10:45 a.m., Eric A. Walker Conference Room, Applied Science Bldg. J. C. Snowdon, "The Isolation of Machinery Vibration from Rigid and Non-Rigid Substructures."
Food Science, 11:10 a.m., Room 202 Borland. Dr. H. V. Walton, Head, Ag Engineering. "Agricultural Engineering and Food Science".
Psychology, 1 p.m., Room 640 Moore. Gerald J. August, Shenango Valley, "Cumulative Cognitive Deficit in Down's Syndrome Children."
Ceramic Science, 1 p.m., Room 301 Mineral Industries. Dr. Charles Greskovich, General Electric, Schenectady, "An Update on the Sintering of Covalent Solids."
Air Pollution Control, 2:20 p.m., Room 140 Fenske. Robert D. Joyce, Environmental Quality Control, Bethlehem Steel, "Air Pollution and the Manufacture of Steel."
Inorganic Chemistry, 8 p.m., Room 333 Whitmore. Speaker, Robert Remick.

Wednesday, Oct. 13
Fuel Science, 11 a.m., Room 301 Mineral Industries. Dipt.-Ing. H. Heidelbach, University of Stuttgart, "Kinetic Studies of the Thermal Decomposition of Single Coal Particles."

Thursday, Oct. 14
Agronomy, 8:15 a.m., Room 309 Tyson. Dr. D. MacKenzie, "World Food and Population, a Realistic View."
Chemistry, 12:45 p.m., Room 333 Whitmore. Jesse L. Beauchamp, Cal Tech, "New Insights into the Properties and Reactions of Organic and Inorganic Ions and Their Complexes by Ion Cyclotron Resonance Spectroscopy."
Physics, 3:50 p.m., Room 117 Osmond. E. D. Thompson, engineering, Case-Western Reserve, "Atomic Scattering from Solids at Thermal Energies."
Geology, 4 p.m., Room 305 HUB. W. Reginald Heyer, Smithsonian Institution, "Studies in Larval Amphibian Habitat Partitioning."
Engineering Science and Mechanics, 4 p.m., Room 210 Hammond. Dr. Joseph V. Mullin, Director of Engineering, Proctor & Schwartz, SCM Corp., "Solar Energy Assisted Dehydration."

Friday, Oct. 15
Analytical Chemistry, 11 a.m., Room 333 Whitmore. Richard F. Weber, "Applications of Computer Electronics in Electrochemistry."
Surface Chemistry, 11:10 a.m., Room 339 Davey. T. T. Tsong, physics, "Field Emission."
Engineering, 4 p.m., Room 329 Electrical Eng. E. S. J. Bauer, Goddard Space Flight Center, "Origin and Evolution of the Atmospheres of Earth, Mars and Venus."

Films

Thursday, Oct. 7
"Olympic Symphony," 7:30 p.m., Room 102 Forum.
Four Japanese folk films, 7:30 p.m., Room 320 HUB.

Wednesday, Oct. 13
South Cinema, "An American In Paris," 7 and 9:30 p.m., HUB assembly room.
GSA Commonspace Theatre, "The Pit and the Pendulum," 7:30 and 9:30 p.m., Room 112 Kern.

Lectures

Thursday, Oct. 7
Dr. Baruch Knei-Paz, Israeli political scientist, on "Zionism as a Social and Political Movement," 8:30 p.m., Room 101 Kern.

Tuesday, Oct. 12
Dr. Eberhard Baumann, consul general, Federal Republic of Germany, on "Germany and the Third World," 8 p.m., HUB assembly room.

Exhibits

Museum of Art: Selections from the Permanent Collection, Gallery B, through Oct. 10. Recent Works by Stephen Porter, Gallery C. Antwerp Drawings from the 16th and 17th Centuries.
Zoller Gallery: Angelo Savelli, Oct. 7-17.
Chambers Gallery: Frank Howell, Drawings. Kenneth Bettel, Ceramics.
Museum of Art-HUB Gallery: Selections from the Museum's Permanent Collection.
Kern Gallery: Renaissance Group Exhibition, multi-media through Oct. 16. Louis Grossman, Photography. Stephen Gerhart, Jewelry, through Oct. 16 (Display Cases).
Walnut Bldg. Gallery: "Blacks in the Westward Movement," Smithsonian Institution Exhibit.
New Kensington Campus: Paintings by Stuart Frost, opening Oct. 11.
Altoona Campus: Central Pennsylvania Faculty Art Exhibit, through Oct. 22, Ivyside Gallery.

Meetings

Thursday, Oct. 7
PSOC Canoe Division, 7:30 p.m., Room 214 Boucke.

Sunday, Oct. 10
Interlandia Folk Dancing, 7:30 p.m., small gym, White.

Monday, Oct. 11
Bridge Club, 6:30 p.m., Room 301 HUB.

Tuesday, Oct. 12
Faculty Senate, 2:10 p.m., Room 112 Kern. Fixed dates for meetings involving Commonwealth Campus faculty.
GSA Council, 7 p.m., Room 101 Kern.
Marine Science Club, 7:30 p.m., Room 26 Mineral Sciences. Organizational meeting.

Wednesday, Oct. 13
Chess Club, 7 p.m., HUB gameroom.
Women in Communications, Inc., 7 p.m., Room 225 HUB.

Thursday, Oct. 14
College of Engineering, Industrial and Professional Advisory Council annual meeting, 8:30 a.m., Room 112 Kern.

Friday, Oct. 15
Bridge Club, 7:30 p.m., Room 301 HUB.

Sunday, Oct. 17
Interlandia Folk Dancing, 7:30 p.m., small gym, White

University schedule

Saturday, Oct. 9
Last date for final oral doctoral exams for Nov. grads.
Last date for Nov. grads to deliver Master's thesis or paper to advisor.

News briefs

(Continued from front page)

performed by the Alard String Quartet in concert at 8:30 p.m. Wednesday, Oct. 13, in the Music Bldg. recital hall.

So named for the pizzicato arpeggios in the first movement, in which the sound of the four strings resembles the strumming of a harp, the Beethoven quartet was composed in 1809 during one of the composer's most powerfully creative periods.

Also to be performed are the Prokofiev Quartet No. 1, opus 50, a seldom heard work recognized as among the composer's best and containing his most haunting melodies, and Schubert's Quartet in B flat Major, opus 168, a songful, uncomplicated quartet.

Alard Quartet members Raymond Page, viola, Donald Hopkins and Joanne Zagst, violins, and Leonerd Feldman, cello, are all associate professors of music at the University.

Savelli exhibit opens

Recent work by Angelo Savelli, visiting professor of art, will be shown in an exhibition opening Thursday, Oct. 7, in Zoller Gallery.

Mr. Savelli, a visiting artist during the fall of 1975, has returned to the Department of Art this fall to work with advanced undergraduate students of painting in the department. A public reception for the artist will be held from 3 to 5 p.m. on Sunday, Oct. 10, in the gallery.

Teamsters accept contract

Members of Teamsters Local No. 8, representing approximately 2,500 service employees in all campuses of the University, voted at a meeting of the membership last Thursday to accept and ratify the contract offer of the University.

With a vote of two-thirds required to reject the offer and thus call for a strike, the vote was 437 to accept the contract and 625 to reject. There were 1,062 ballots counted, with 16 declared void.

Commenting on the action, President Oswald said that he was "pleased with the vote of the union membership to accept Penn State's contract offer, which was recommended for acceptance by William Smith of the Pennsylvania Bureau of Mediation and Teamsters Local No. 8's Executive Committee The new contract package is, in my opinion, fair to all concerned."

The vote on Thursday night followed a vote on Aug. 26 at which time the membership rejected a University proposal which provided an average wage increase of 6.14 per cent, the increase to have been retroactive to July 1, 1976.

Following that meeting, Mr. Smith, the mediator appointed by the Pennsylvania Labor Relations Board, held four sessions with Union and University personnel out of which came the proposals approved on Thursday.

The initial offer of the University provided for an average pay increase of 6.14 per cent, the increase to have been retroactive to July 1, 1976.

The new proposal, which was approved, includes this 6.14 per cent retroactive to July 1, and an additional 6 cents per hour to become effective Jan. 1, 1977.

The new contract is for a two-year period, extending to July 1, 1978, with provision for a re-opener at the end of the first year, July 1, 1977, for bargaining on wages, cost of dependent hospital insurance coverage, and the surgical benefits schedule.

Open fires banned

Open fires, including camp fires, are not permitted at any time on the University farms and only in designated picnic areas on other University property, Howerd O. Triebold Jr., manager of the Safety Services Division, reminds faculty and staff. Camping and cutting of experimental tree results in damage to research and demonstration programs in progress on the University farms and woodlands, it is explained, while open fires represent a potential danger to forests and associated ecosystems.

Staff vacancies

Staff vacancies in this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as theses announced in the INTERCOM may be found in the Penn State REPORTER. All University employees who are interested in promotion may apply by calling the Employment Division, 865-1367 (network Line 475-1367). Applications for these staff vacancies must be received until 5 p.m. **Oct. 14, 1976. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

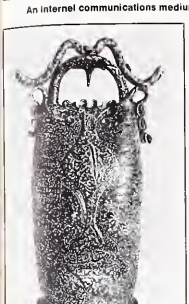
ASSISTANT DIRECTOR, ANNUAL GIVING, OFFICE OF GIFTS & ENDOWMENTS — University Park

Assistant in planning, scheduling, coordination and preparation of fund-raising programs which seek and solicit annual financial support from alumni and friends of Penn State. Program emphasis on direct mail communication. Bachelor's degree or equivalent, plus one to two years of experience in communications work. This is a nine-month position.

PENN STATE intercom

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An internel communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule



EX VOTO #1 — a stoneware piece by Dori Reitz from Super Mud (story on page 4).

Campus to host play's premiere

"Cradle of the Hero" by Alfredo Dias Gomes, Brazil's most prominent contemporary playwright, will be presented by University Theatre Productions Oct. 28-30 and Nov. 2-6 at 8 p.m. in the Playhouse Theatre.

Sr. Dias Gomes, a Visiting Fellow of the Institute for the Arts and Humanistic Studies, will work with the director assigned to the play, Manuel Duque, assistant professor of theatre arts. The play has been translated into English by Dr. Leon F. Lyday III, professor of Spanish, and will have its world premiere at Penn State.

The drama opens with the final scenes of a war film about the central character, a small town hero, and Dorn Hetzel, instructor in theatre arts, has scripted and directed the necessary film.

A crew of some 40 persons was assembled in the wooded area south of Beaver Stadium (on the Saturday of the Ohio State game) to shoot the sequences, which show a group of Brazilian soldiers campaigning in Italy and the victory to which they are led by the play's hero, Corporal George.

To stage the action sequences, department technicians wired an open field for simulated explosions through which the hero's charge was played for six cameras rolling simultaneously.

Reservations for "Cradle of the Hero" may be made by calling 865-1884.

'Chorus Line' co-author appears for Colloquy

James Kirkwood, winner of the Pulitzer Prize and o Tony Award for his co-authorship of the hit musical, "A Chorus Line," will speak at the University at 8 p.m. Monday, Oct. 18, in Schwab Auditorium. The free talk is sponsored by Colloquy. Mr. Kirkwood's novels include "There Must Be a Pony," "Good Times/Bad Times," and "Some Kind of Hero." His plays include "P.S. Your Cat Is Dead" and "UTBU (Unhealthy To Be Unpleasent)." He is also the author of a non-fiction work, "American Grotesque," an account of the bizarre courtroom drama surrounding the Clay Shaw conspiracy trial in New Orleans.

News in brief

Vaccine available

Swine flu immunizations for high-risk faculty and staff members are now available free-of-charge at Ritenour Health Center, according to Dr. John Hargleroad II, director of University Health Services. Dr. Hargleroad said high-risk persons are those over 65, or with chronic heart, lung, renal or metabolic diseases, including bronchitis, asthma, emphysema and diabetes.

The second phase of the mass immunization program should begin about a month from now, Dr. Hargleroad said. This phase will be an effort to vaccinate everyone over 18 and, again, the shots will be available for faculty and staff at Ritenour.

Insurance consultants here Oct. 18-19

Faculty and staff are again reminded that representatives from the three insurance companies participating in the University's tax-sheltered annuity program will be visiting the University Park campus on Monday and Tuesday, Oct. 18-19. On both days, the representatives will participate in open meetings designed to inform faculty and staff of the provisions found in each company's tax-sheltered annuity plan. The meetings will be held in Room 112 Kern Graduate Bldg. from 10 a.m. to noon and from 3 p.m. to 5 p.m.

From Oct. 20 through Oct. 29, Equitable and VALIC personnel will be available in Rooms 318 and 319 in the HUB from 9 a.m. to 5 p.m. for individual consultations. The offices will be closed over the noon hour and on weekends. Information about the TIAA plan may be obtained by contacting the Employee Benefits Division, Room 133 Willard Bldg., during this period.

HUB Terrace celebrates Homecoming

The HUB Terrace Room is celebrating Homecoming 1976 with a special dinner from 4:45 to 7 p.m. on Saturday, Oct. 16. Entertainment will feature Mu Phi Epsilon's Hi-Phi's and Phi Mu Alpha's Dixie-lion band. On the menu are stuffed boneless breast of chicken, grilled chopped steak, prime ribs of beef, sweet and sour pork, and tantali shrimp. There will be a wide variety of garden fresh salads and desserts, and some special vegetables, including sauteed Pennsylvania mushrooms and Indian corn pudding.

One-way traffic Oct. 15

Motorists are reminded that one-way traffic patterns will be in effect on Curtin and Burrowes Roads on campus from 4.30 p.m. to 6 p.m. Friday, Oct. 15, for the Homecoming Parade. According to University Police Services, Curtin Road will be one-way west from Fraser Road to Red E parking area, and Burrowes will be one-way south from Red E to College Avenue. Because the parade will be forming in the eastbound lane of Curtin Road and the northbound lane of Burrowes, motorists are urged to exercise extreme caution. Police Services also noted that traffic is expected to be heavy on University Drive near Beaver Stadium Friday evening. A fireworks display, to begin about 9.15 p.m., and a bonfire are being held in conjunction with the Homecoming activities.

Marine science forms ready

Applications for the Marine Sciences Program offered by the University at Wellops, Va., during spring term, 1977, are available from Dr. Albert L. Guber, associate professor of geology and program director, in Room 309 Deike Bldg. Completed applications are to be returned to Dr. Guber at the beginning of winter term. Students accepted for the program will be informed in January.

Campus tours offered

Tours of the University Park campus are now being offered to prospective students and their parents, according to Dr. Glenn Carter, director of secondary school relations.

While such tours have previously been available, the service is being expanded with the recruitment of about 50 students who have volunteered to serve as guides.

"The tours are designed to familiarize prospective students with the physical aspects of the campus," Dr. Carter points out, "and to answer any questions they may have from a student perspective."

The tours usually include an interview with an academic advisor, an overall view of the campus, a look at the residence halls, a walk through central campus, and a more detailed visit to the student's area of academic interest. An interview with an admissions counselor may also be arranged.

Dr. Carter notes that faculty and staff may schedule tours for interested students by calling his office (863-0231) with the visitors' names and addresses. Secondary School Relations will then contact the students and arrange a date. They prefer to schedule tours for weekdays.

New numbers for Wilkes Barre

The Wilkes Barre Campus will get new network telephone numbers as of Monday, Oct. 18. The numbers are. 425-2591 and 425-2592.

Offices, phones changed

Two programs in the Division of Occupational and Vocational Studies — Vocational-Industrial Education and Industrial Arts — have moved their offices from Chambers Bldg. Vocational-Industrial Education is now located in Room 119 Rackley and has a new telephone number, 865-8361. Industrial Arts is in Room 219 Rackley, and its telephone listing is 863-0275. Until January, the Division offices will be located in Room 101 Rackley, and their number will be the same as Vocational-Industrial Education, 865-8361.

Berks programs on TV

Berks Campus faculty and staff will participa e in the programming of the Berks Community Televison, a new, non-profit, interactive cable TV channel that began with a closed-circuit link-up to local senior citizens centers and is now broadcast to the general cable subscribers.

Participating in this unique community activity, Berks' personnel will discuss a variety of topics, ranging from "The Soap Opera" to "The Criminal Justice System in America." The new system provides viewers with an opportunity to participate in the programs via their own telephones.

Dr. M. John Smith, area representative for Continuing Education at Berks, is a member of the Berks Community Television policy board of directors and chairman of the Operations Committee.

Others who will assist with the programs are Mary Helder, Doris Meyers, Richard Caputo, Bill Solley, Henry Petterson, Dr. Lawrence Suhre and Willis M. Frankhouser Jr.

Evan Pugh selection group named

Eight faculty members have been appointed by President Oswald to serve as members of the 1976 Selection Committee for Evan Pugh Professorships.

Included are three current Evan Pugh Professors: Dr. Stuart Patton (agriculture), who is serving as chairman of the committee, Dr. Vernon V. Asgaturian (political science); and Dr. Howard E. Morgan (physiology).

Dr. Frank Dachille, professor of geochemistry, will serve on the committee as a representative of the Senate Committee on Research. Dr. George L. Mauner, professor of art history, and Dr. Carolyn W. Sherif, professor of psychology, were nominated for membership by the Senate committee and have agreed to serve.

The remaining two members of the committee were recommended by the Graduate Council. They are Dr. Raymond G. Ayoub, professor of mathematics, and Dr. David B. Geselowitz, professor and head of the Department of Bioengineering.

Evan Pugh Professors are appointed by the President on the recommendation of the selection committee. In addition to Drs. Patton, Aspaturian and Morgan, current holders of the title include. Dr. John M. Anderson (philosophy); Dr. Hans A. Panofsky (atmospheric sciences); Dr. John L. Lumley (aerospace engineering); Dr. Richard R. Nelson (plant pathology); Dr. Philip S. Skell (chemistry); and Dr. Philip L. Walker (materials science).

Three new professors are expected to be named. The criteria established for their appointment state that they must be selected without regard to college affiliation or program. The title is granted "only to candidates whose research publications or creative work or both have been of the highest quality over a period of time and further to candidates who show evidence of having contributed significantly to the education of students who later achieve recognition for excellence in the candidate's discipline or interdisciplinary area. The candidate must have strong external support from colleagues within his or her field." Candidates must also be full professors.

African author to speak Oct. 20

Dr. Ezekiel Mphahlele, an African author and professor of English at the University of Pennsylvania, will speak on "Possibilities and Alternatives to the South African Crisis" at 8 p.m. on Wednesday, Oct. 20, in the Paul Robeson Cultural Center. His talk is sponsored by the Penn State Black Studies Committee.

Before leaving the Republic of South Africa in 1957, Dr. Mphahlele earned two bachelor's degrees and a master of arts in English literature from the University of South Africa. He taught English and Africaans at a Pretoria high school until he was banned from teaching by the government as a result of his opposition to a new system aimed at lowering educational standards for Africans.

In 1965 he came to the United States and earned a Ph.D. in creative writing at the University of Denver. He then returned to Africa to teach at the University of Zambia. He has been at Penn since 1974.

PENN STATE COLLECTION

Faculty notes

Dr. Ronald F. Abler, associate professor of geography, has been named head of the Department of Geography. He succeeds Dr. Wilbur Zelinsky, professor and head of the department since 1970, who has stepped down in order to devote full time to teaching and research.

Dr. Abler, who earned his B.A., M.A. and Ph.D. in geography at the University of Minnesota, came to Penn State in 1967. He served as visiting associate professor of geography at the University of British Columbia in 1971 and from 1972 to 1974 was visiting associate professor of geography at Minnesota, where he also was associate director and atlas editor for the Comparative Metropolitan Analysis Project.

The atlas he edited for the AAG project, "Comperative Atlas of America's Twenty Largest Metropolitan Regions," is scheduled to be published this fall. He is co-author of another publication of that project, a monograph on "The Twin Cities of St. Paul and Minneapolis," which was issued last summer. Co-author of "Spatial Organization: The Geographer's View of the World," a book published in 1971, he also co-edited "Human Geography in a Shrinking World," a book published in 1974.

Dr. Robert E. Andreyka, associate professor of vocational education at Florida State University, has been appointed professor and associate head of the Division of Occupational and Vocational Studies.

Dr. Marjorie East, professor of home economics education, is serving as acting head of the new division, one of six established in a reorganization of the College of Education.

Dr. Andreyka, who was program leader of vocational education at Florida State, previously taught at Ohio State University, the University of Akron and Kent State University. He also served as visiting professor at Oregon State University. A native of Berberton, Ohio, he received his B.S., M.Ed. and Ph.D. degrees at Kent State.

While at Florida State, he was principal investigator on several projects to develop performance-based teacher education programs for vocational education teachers and administrators in Florida. He has authored articles in professional journals and served as a member of the editorial board of the "Florida Vocational Journal." Currently he is treasurer and a member of the executive committee of the National Association of Industrial and Technical Teacher Educators.

Dr. Archie J. McDonnell has been awarded the J. James Croes medal for 1976 by the American Society of Civil Engineers. The Croes medal is one of the two highest honors given annually by the Society, and Dr. McDonnell received the award for the excellence of his research paper, "Limestone Barriers to Neutralize Acidic Streams." Dr. McDonnell is professor of civil engineering and assistant director of the Institute for Research on Land and Water Resources in charge of the Water Resources Research Center.

Two members of the Department of Slavic Languages attended the meetings of the American Association for the Advancement of Slavic Studies Oct. 6-9 in St. Louis, Mo. **Dr. William R. Schmalstieg**, professor and head of the department, presided at a section on Slovene linguistics, while **Dr. Sigmund S. Berkenmayer,** professor, and president of the Association for the Advancement of Polish Studies, presided at a section on political science and economics, with particular reference to Poland.

Mary E. Good has been promoted from assistant Campus librarian to senior assistant librarian at Altoona. A member of the staff since 1970, she has a B.A. from Westminster College and an M.L.S. from the University of Pittsburgh.

Dr. Rio T. Prelsner, professor of German, is the author of the article "Nekolik slov k diskusi o ekonomice" published in "Novy Zivot."

Two faculty members in the College of Human Development have been named associate editors of the Journal of the Community Development Society. They are **Dr. Larry D. Gamm**, associate professor of community development, and **Dr. Robert H. Sebring**, assistant professor of human development.

Seven winter and spring term faculty research fellowship grants have been awarded by the Institute for the Arts and Humanistic Studies.

Recipients from the College of the Liberal Arts are **Dr. Simon Belasco**, professor of romance linguistics, for an analysis of syntactic differences in occitanian dialects and subdialects; **Dr. William Bunker**, associate professor of history, for research and study of Vietnamese nationalism and communism in the post-war period; **Dr. Martha T. Halsey**, associate professor of Spanish, for research and study of the "realistic geneartino" of contemporary Spanish playwrights; **Dr. Joseph M. Micheis**, professor of anthropology, for on-site inspection and study of megalithic monuments and associated settlement of Lake Triton, Tunisia; and **Dr. Peter H. Schneeman**, assistant professor of English, for creative work in writing.

Recipients from the College of Arts and Architecture are: **Dr. Bertrand M. Davezac,** associate professor of art history, for the study of Carolingian manuscript illumination, and **Raymon J. Master,** assistant professor of architecture, for development of a computer graphics system for visual recreation of historically significant buildings.

Mrs. Carolyn S. Lambert, assistant professor of hospital food services at the Berks Campus, published an article in the July issue of the Journal of Hospitality Education. Its title was "Teaching the Seminar Practicum to Dietetic Technicians."

Five wood sculptures by **Stephen Porter**, assistant professor of art, are included in "Sculpture: Wood," a group exhibition on view through Oct. 30 at the Webb and Parsons Gallery, Bedford, N.Y.

Four Extension agricultural engineers at the University have been named recipients of blue ribbon awards presented by the American Society of Agricultural Engineers for educational aids entered in national competition. **N. Henry Wooding** won two awards, one for a bulletin, "Home Sewage Disposal," and the other for a circular, "Updating Official Publications for Minor Subdivisions of Farm Land." **Joseph A. McCurdy** won a blue ribbon for his slide set on "The Energy Cost of Food."

Two other Penn State Extension agricultural engineering specialists won in the special category. **Gerald R. Bodman** received honors for "Housing for Agricultural Workers — Model Planning Alternatives," and **A. Roger Grout** received a blue ribbon for "In Stall Creep Box for Horses."

"Fluxoid Pinning by Vanadium Carbide Precipitates in Superconducting Vanadium" is the title of a paper prepared by **Alexander J. Marker III,** physics graduate student; **Dr. Robert W. Reed,** assistant professor of physics; **Dr. W. Ellis Etter,** professor of metallurgy, and **Dr. F. G. Brickwedde,** Evan Pugh professor emeritus of physics. The paper was presented last month at the fall meeting of the TMS of AIME in Niagara Falls, N.Y.

Dr. John J. Docherty, associate professor of microbiology, was an invited guest speaker at the National Cancer Institute of Canada workshop on Viruses and Human Cancer in Hamilton, Ontario, Oct. 7 and 8. Dr. Docherly spoke on herpes simples virus proteins which may be diagnostically significant in certain forms of human cancer, especially temale uterine cancer. Dr. Docherty is one of five Penn State researchers currently working on a special research project to find mass screening techniques for gynecological cancer.

Dr. Jan S. Prybyla, professor of economics, is the author of "Growing Old in China," an article published in the September issue of Current History.

Dr. Robert E. Ginsberg, associate professor of philosophy at Delaware County Campus, is the author of "Early British Controversy on the Declaration of Independence," published this year in volume 152 of "Studies on Voltaire and the Eighteenth Century."

Dr. Barry M. Welier, associate professor of economics at Behrend College, is the author of an article, "Political Leadership, Macroeconomic Policy, end Postwar Economic Slowdowns," in the winter issue of Journal of Economic Issues.

Dr. Donald Verene, associate professor of philosophy, is the new editor of Philosophy and Rhetoric, a publication of Penn State's Press. **Dr. Gerard Hauser,** associate professor of speech communication, is serving as associate editor, and **Dr. Herman Cohen,** professor of speech communication, is the new book review editor.

Drs. Verene and Hauser succeed Dr. Henry Johnstone and Dr. Carroll C. Arnold, who founded the journal in 1968 and who will continue to serve on its editorial board. Philosophy and Rhetoric is published quarterly and specializes in articles on theoretical issues involving the relationship between philosophy and rhetoric, studies of the rhetorical views of historical figures and periods, and the relationship of rhetoric to other areas of human culture and thought.

Dr. Dorothy V. Harris, professor of physical education and director of the Center for Women and Sport, was a guest on NBC's "Not for Women Only" on Oct. 1.

Raymond Brown, professor of music, will lead the Penn State Singers in a concert of American choral music at the convention of the National Association of Teachers of Singing in Philadelphia on Dec. 27. The Penn State Singers will open the convention in the afternoon with a performance of "We the People," the finale of "Be Glad Then America," and present a formal concert that evening in the Arch Street Presbyterian Church.

Dr. Harry Prystowsky, Hershey provost and dean, has been named State Heart Fund Chairman for the 1977 campaign. **Dr. Robert Zeffa,** professor of medicine and chief of cardiology at the Medical Center, has been elected a vice president of the Pennsylvania Affiliate.

Carl G. Vaught, associate professor oi philosophy, gave a series of four lectures at Brigham Young University titled "The Quest for Wholeness," "Revelation and Discontinuity," "The Conflict Between Religion and Philosophy" and "Religion and the Absolute Standpoint." Prior to that he spoke at the University of Denver on "The Rebirth of Art, Religion and Philosophy."

Dr. Gerd M. Rosenblatt, professor of chemistry, presented a talk at the Argonne National Laboratory Oct. 7. His topic was "Ramen Scattering from Flames and High Temperature Vapors." Dr. Rosenblatt was recently named co-editor oi Progress in Solid State Chemistry, published by Pergamon Press.

Stephanie Ann Shields has been promoted from an instructor to an assistant professor of psychology at Altoona.

Dr. Catherine P. Fussell, associate professor of biology at McKeesport, presented a paper, "Chromosome Chains in 'Allium Cepa'," at the First International Congress on Cell Biology held in Boston last month.

Dr. Yoshimitsu Takei, assistant professor of education and sociology in the Division of Education Policies Studies, has been elected to a three-year term as a member of the Comparative Interdisciplinary Studies Section Council, a body organized to promote the utilization of comparative methods in the International Studies Association.

Dr. William DeMuth, professor of surgery at Hershey, has been named editor of the Pennsylvania Emergency Health Services Council Newsletter, which recently began publication. Dr. DeMuth is currently chairman of the Pennsylvania Medical Society's Commission on Emergency Medical Services and a member of the board of directors of the Pennsylvania Emergency Health Services Council.

James F. Haideman, Berks County Extension director, and **W. Harry Schaffer,** Extension community resource development agent, jointly spoke on "Recycling Berks County Sludge — Problems and Opportunities" at the 61st annual meeting of the National Association of County Agricultural Agents held recently in Richmond, Va. Their paper was one of four selected nationally and represented the Northeast United States in the "Search for Excellence" program in the rural development category.

The current issue oi the journal, New Literary History, published by the University of Virginia, includes an essay, "Sheer Fiction: Mind and the Fabulist's Mirage," by **Paul West,** professor of English and comparative literature. Prof. West was one of several novelists, mainly American and French, invited to discuss their work under the rubric of "Thinking in the Arts, Sciences, and Literature."

A paper, "An Electrophoretic Study of Lactate Dehydrogenase and Esterase Isozymes in the Deer Mouse, 'Peromyscus Leucopus'," co-authored by **Dr. Larry Eckroat,** associate professor of biology at Behrend College, and Gary Bokach, former Behrend undergraduate, will be published in the proceedings of the Pennsylvania Academy of Science.

Anya Derrick, senior assistant librarian at Pattee, has published an article, "Thoughts on the British Library," in the September issue of Special Libraries.

Dr. Arnold F. Shapiro, assistant professor of business administration, has been named a Fellow of the Society of Actuaries (FSA). Fellows must have successfully completed a series of examinations on the mathematical basis of insurance and its specific applications to life insurance, health insurance, annuities and other private and governmental benefit plans. The examinations are administered by the Society.

Dr. Joseph P. Yaney has been named as head of the Business Administration Program at Capitol Campus. Dr. Yaney received his M.B.A., J.D. and Ph.D. from the University of Michigan and was formally program director there.

John Cook, professor of art, is showing his sculpture in a retrospective, one-man exhibition at Eastern Kentucky State University through this month.

Obituaries

Charlotte E. Ball, an instructor in English at the University's DuBois Campus from 1958 until her retirement in 1965, died Oct. 2. A graduate of the University of Pittsburgh, where she earned B.A. and M.A. degrees in English, she taught English in the State College school system from 1946 to 1957. She was born in West Homestead, Pa., on Nov. 5, 1900.

Henry H. Chisman, professor emeritus of forestry and former director of the Mont Alto Campus, died Oct. 5. He had retired in 1971 after 36 years on the tacuity. Mr. Chisman received his B.S. in forestry at Penn State in 1932 and held a master of forestry degree from Duke University.

Appointments

James H. Burness as assistant professor of chemistry at York. B.A., Rutgers; Ph.D. Virginia Polytechnic Institute. Former teacher at Lansing Community College.

Eli Drannon Buskirk Jr. as assistant professor of urban and regional planning at Capitol Campus. B.A., St. Andrews Presbyterian College; M.S., Ph.D., U. of Michigan. Former lecturer at U. of Michigan.

George F. Caudle as assistant professor of physics at York. B.S., U. of Missouri; M.S., Colorado State U.; Ph.D., New Mexico State U. Former post doctoral fellow at U. oi Levai, Canada.

Thomas T. Getz as assistant professor of English at York. B.A., Denison U.; Ph.D., U. of Iowa. Former faculty member at U. of Wisconsin.

Peter N. Hoefsmit as assistant professor of mathematics at York. B.A., California State U.; Ph.D., U. of British Columbia. Former visiting assistant professor at U. of Virginia.

Russell Mills as assistant professor of English at York. B.A., Wesleyan U.; Ph.D., U. of Indiana.

Wilmer C. Stowe as assistant professor of biology at Berks. B.S., M.S. and Ph.D., Louisiana State U. Former assistant professor at Pan American U.

Susan A. Vitron as instructor of nursing at Behrend College. B.S.N., Penn State. Former instructor at Hamot Medical Center.

Edward T. Reutzel as visiting lecturer of management science. B.S., Carnegie-Mellon U.; M.B.A., Penn State; Ph.D. candidate at Penn State. On leave from the College of Business Administration at Kansas State U.

University Park Calendar

October 14—24

Items to be included in this calendar should be sent to the Calender Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special events

Thursday, Oct. 14

Engineering IPAC Workshop, 10 a.m., Room 101 Kern.

FSHA 410 dinner, "A Colonial Virginia Ballroom Banquet," 5:30 p.m., Maple Room. Reservations required: 865-7441.

Education Reference Materials Seminar, 7 p.m., Room W110 Pattee.

University Theatre, "Scapino," 7:30 p.m., Pavilion Theatre.

Thespians, "The Apple Tree," 8:30 p.m., Schwab.

Friday, Oct. 15

TCO luncheon, noon, Room 189 Materials Research Lab., Or. E. F. Schumacher, economist.

Sports: Junior Varsity football, vs. Nassau Community College, 2 p.m. Soccer, vs. Maryland, 7 p.m.

Folk and Square Dance Roundup, 7:30 p.m., Room 133 White.

University Theatre, "Scapino," 7:30 p.m., Pavilion Theatre.

GSA Coffeehouse, 8 p.m., Room 102 Kern.

The Fred Waring Show, 8:30 p.m., University Auditorium.

Thespians, "The Apple Tree," 8:30 p.m., Schwab.

Saturday, Oct. 16

Penn State Outing Club, backpack in the Tidaghton State Forest.

Sports: Men's cross country, Penn State Open; football, vs. Syracuse, 1:30 p.m. (Homecoming); women's field hockey, vs. Cortland, 10 a.m.

HUB Terrace Room Celebrates Homecoming 1976, 4.45-7 p.m.

University Theatre, "Scapino," Pavilion Theatre. Matinee, 2 p.m., evening performance, 7:30 p.m.

Glee Club Homecoming Concert, with Symphonic Wind Ensemble, 7:30 p.m., University Auditorium.

Thespians, "The Apple Tree," 8:30 p.m., Schwab.

Sunday, Oct. 17

Chapel Service, 11 a.m., Music Bldg. recital hall. Nelson Frank, tormer Pastor, St. Paul's Methodist Church.

Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Elder Harold McKenzie, State College.

Artists Series, Stars of the American Ballet, with Violetta Verdy and Peter Martins.

Monday, Oct. 18

Insurance representatives to discuss taxsheltered annuities, 10 a.m.-noon and 3-5 p.m., Room 112 Kern.

Sociology Reference Materials Seminar, 7 p.m., Room W110 Pattee.

Madelyn Lea, piano; Mary Barto, flute, 8 p.m., Slep Center, Altoona Campus.

Tuesday, Oct. 19

Insurance representatives to discuss taxsheltered annuities, 10 a.m -noon and 3-5 p.m., Room 112 Kern.

Comp Lit Luncheon, 12:15 p.m., Faculty Club. Oean Thomas Magner, "Diglossia in Croatia"

TCO luncheon, noon, Room 189 Materials Research Lab Or. Myron Tribus, MIT.

Sports: Soccer, vs. East Stroudsburg, 1 p.m.; Women's field hockey, vs. Slippery Rock, 3 p.m.

Wednesday, Oct. 20

Faculty Women's Club Lecture Series, 1:30 p.m., Memorial Lounge, Eisenhower Chapel.

Term Paper Workshop, 7 p.m., Room W110 Pattee.

Musica da Camera, 8:30 p.m., Music Bldg. recital hall.

African Studies Forum, 8 p.m., Paul Robeson Center. Professor Ezekiel Mphahlele, University of Pennsylvania, on "Possibilities and Alternatives in the South African Crisis."

Thursday, Oct. 21

Psychology Reference Materials Seminar, 7 p.m., Room W110 Pattee.

Tenth Annual Super Mud Conference.

Friday, Oct. 22

Tenth Annual Super Mud Conference.

GSA Coffeehouse, 8 p.m., Room 102 Kern.

Pawel Checinski, piano recital, 8:30 p.m., Music Bldg. recital hall.

Saturday, Oct. 23

Sports: Men's cross country, vs. Georgetown and William & Mary; women's tennis, vs. Pennsylvania, 10:30 a.m.

Tenth Annual Super Mud Conference.

Penn State Folklore Society square dance, 8 p.m., HUB ballroom.

GSA Disco Dance, 8 p.m., Room 102 Kern.

Artists Series, Martial Arts of Kabuki, 8:30 p.m., University Auditorium.

Sunday, Oct. 24

Chapel Service, 11 a.m., Eisenhower Chapel. Paul S. Minear, Winkley Professor of Biblical Theology Emeritus, Yale University.

Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Elder John Loyd, State College.

United Nations Day Firing Line, panel discussion with Elliot Atwater, Vernon Asparturian, George Bradow, William Ouiker, and Kent Forster as moderator, 7:30 p.m., HUB main lounge.

PSQC Hiking Division, Trail Clearing, 9 a.m.; free picnic supper.

Seminars

Thursday, Oct. 14

Agronomy, 8:15 a.m., Room 309 Tyson. Dr. O. MacKenzie, "World Food and Population, a Realistic View."

Chemistry, 12:45 p.m., Room 333 Whitmore. Jesse L. Beauchamp, Cal Tech, "New Insights Into the Properties and Reactions of Organic and Inorganic Ions and Their Complexes by Ion Cyclotron Resonance Spectroscopy."

Physics, 3:50 p.m., Room 117 Osmond. E. D. Thompson, engineering, Case-Western Reserve, "Atomic Scattering from Solids at Thermal Energies."

Ecology, 4 p.m., Room 305 HUB. W. Ronald Heyer, Smithsonian Institution, "Studies in Larval Amphibian Habitat Partitioning."

Engineering Science and Mechanics, 4 p.m., Room 210 Hammond. Or. Joseph V. Mullin, Director of Engineering, Proctor & Schwartz, SCM Corp., "Solar Energy Assisted Dehydration."

Friday, Oct. 15

Analytical Chemistry, 11 a.m., Room 333 Whitmore. Richard F. Weber, "Applications of Computer Electronics In Electrochemistry."

Surface Chemistry, 11:10 a.m., Room 339 Davey. T. T. Tsong, physics, "Field Ion Emission."

Engineering, 4 p.m., Room 329 Electrical Eng.E. S. J. Bauer, Goddard Space Flight Center, "Origin and Evolution of the Atmospheres of Earth, Mars and Venus."

Monday, Oct. 18

Organic Chemistry, 8 p.m., Room 333 Whitmore. Or. Robert G. Ghiradelli, Army Research Office, Durham, on "Use of CO to Determine Crown-Cation Complexation Constants."

Biochemistry, 3:55 p.m., Room 101 Allhouse. Dr. Paul Todd, "Electrical Properties of the Cell Surface."

Tuesday, Oct. 19

Urbanization, 9:35 a.m., Room 316 Sackett. Or. Nancy Rosenblatt, history, on "The Evolution of the Political Power Structure on the Continent in the 19th Century."

Plant Pathology, 9:30 a.m., Room 213 Buckhout. S. Neurgaonkar, "Wilt Diseases Caused by Viruses and Mycoplasma."

Biochemistry, 11:10 a.m., Room 101 Allhouse. Paul Todd, "Electrokinetic Methods of Cell Separation and Analysis."

Food Science, 11:10 a.m., Room 202 Borland. L. Strang, "Honey."

History, 3:30 p.m., Room 124 Sparks. Or. Paul B. Harvey Jr., "Defending Murder: Man, Woman and the Law in Ancient Athens."

Air Pollution Control, 2:20 p.m., Room 140 Fenske. John Stratz, III, National AirOil Burner Co., Philadelphia, on "Industrial Flares."

Chemical Engineering, 3.45 p.m., Room 140 Fenske. William L. Luyben, Lehigh University, on "Case Studies in Process Control."

Engineering Science and Mechanics, 4 p.m., Room 206 Hammond. Or. Owen Richmond, Senior Research Consultant, U.S. Steel Research Center, on "Some Observations and Consequences from the Normality of Plastic Flow."

Inorganic Chemistry, 8 p.m., Room 333 Whitmore. Gregory L. Geoffroy, "How to Seek and Find Employment in Chemistry."

Wednesday, Oct. 20

Fuel Science, 4 p.m., Room 301 Mineral Industries. Or. Eric Nelson, Gilbert Associates, Reading, on "Application of Input-Output Analysis to Energy Problems."

Rural Sociology, 8 p.m., Room 105 Forum. Or. Philip E. Slater, critic and author, on "Rural Society: At the Breaking Point?"

Thursday, Oct. 21

Agronomy, 8.15 a.m., Room 309 Tyson. W. Riden, "Chemical Renovation of Cool-Season Turfgrass Species with Glyphosate"

Chemistry, 12:45 p.m., Room 333 Whitmore. Kenneth N. Raymond, UC-Berkeley, on "Coordination Isomers in Biologic Iron Transport: Microbes as Coordination Chemists."

Physics, 3.50 p.m., Room 117 Osmond. A. L. Ruoff, materials science, Cornell University, on "Prospects for Metallic Hydrogen."

Bioengineering, 4 p.m., Room 132 EE East. Bruce Towe, graduate student, on "Electrode Limitation in Electrocardiography."

Friday, Oct. 22

Analytical Chemistry, 11 a.m., Room 333 Whitmore. Clarence G. Rose, "Variables in Insect Pheromones as Revealed by Microanalytical Techniques"

Surface Science, 11:10 a.m., Room 339 Davey. W. A. Steele, chemistry, on "Response of Harmonic Oscillator Surface to an External Force"

Engineering, 4 p.m., Room 329 Electrical Eng. E. Dr. Ockson M. Buller, Goddard Space Flight Center, on "Photo Electrons in the Venus Atmosphere."

Meetings

Sunday, Oct. 17

Interlandia Folk Oancing, 7:30 p.m., small gym, White.

Monday, Oct. 18

Bridge Club, 6:30 p.m., Room 301 HUB.

Color Slide Club, 7:30 p.m., Room 112 Kern.

Wednesday, Oct. 20

Chess Club, 7 p.m., HUB gameroom.

Sunday, Oct. 24

Interlandia Folk Oancing, 7:30 p.m., small gym, White.

Films

Saturday, Oct. 16

Free U children's films, 1:30-3 p.m., Rooms 316-317 HUB.

Wednesday, Oct. 20

GSA Commonsplace Theatre, "The Raven,"

7:30 and 9:30 p.m., Room 112 Kern.

South Cinema Musical, "Royal Wedding," 7:30 and 9:30 p.m., Room 121 Sparks.

Friday-Sunday, Oct. 22-24

"Watermelon Man," 8 p.m., Walnut Bldg.

Lectures

Friday, Oct. 15

Science, Technology, Society Lecture Series, 4 p.m., Room 112 Kern. Myron Tribus, director MIT Center for Advanced Engineering Studies, on "The Engineer and the Politician — The Odd Couple."

Sunday, Oct. 17

Betty Zelger, art therapist, on "Art through Aging — New Hope for Senior Citizens." 7:30 p.m., Room 112 Kern.

Monday, Oct. 18

James Kirkwood, co-author of "A Chorus Line," 8 p.m., Schwab Auditorium. Sponsored by Coltoquy.

Tuesday, Oct. 19

Science, Technology, Society Lecture Series, 8 p.m., Room 112 Kern. Or. E. F. Schumacher, British economist and author.

Wednesday, Oct. 20

Central Pa. Society of the Archaeological Inst. of America, 8 p.m., Room 101 Kern. Richard Diehl, University of Missouri, on "Recent Excavations at Tula (Mexico)."

Thursday, Oct. 21

MBAA Lecture Series, 7 p.m., Room 112 Kern. William Clemmens, "On Strategic Planning."

Exhibits

Museum of Art: Recent Work by Stephen Porter. Gallery C. Antwerp Orawings from the 16th and 17th Centuries.

Zoller Gallery: Angelo Savelli, through Oct 17. Super Mud, Student Invitational, opening Oct. 20.

Chambers Gallery: Frank Howell, Orawings; Kenneth Bettel, Ceramics, through Oct. 21.

Museum of Art-HUB Gallery: Selections from the Permanent Collection, through Oct. 17. Super Mud, Women's Exhibit, opening Oct. 21

Kern Gallery: Renascence Group Exhibition, through Oct. 16. L. Grossman, Photography; Stephen Gerhard, Jewelry, through Oct. 16. Senior Citizens' Exhibition, opening Oct. 17. Sandra Leitsinger, Watercolors, opening Oct. 17. Grace Pilato, Porcelain, opening Oct. 17.

Walnut Bldg. Gallery: "Blacks in the Westward Movement," Smithsonian Institution Exhibit.

New Kensington Campus: Paintings by Stuart Frost.

Altoona Campus: Central Pa. Faculty Art Exhibit, through Oct. 22, Ivyside Gallery.

Arts roundup

Kabuki special Oct. 23

The Martial Arts of Kabuki, a troupe from the National Theatre Institute of Japan, will perform under the auspices of the Artists Series at 8:30 p.m. on Saturday, Oct. 23, in University Auditorium.

This special event on the Series is under the leadership of Bando Yaenosuke, the most famous of Kebuki fight scene teachers and choreographers.

The stage-battles of Kabuki, or tachimawari, are formalized encounters which play a major role in the production of many Kabuki plays. Though the movements used in tachimawari are based on those actually used in such martial arts as kendo, the way of the sword, and jodo, they are transmuted on the Kabuki stage into stylized, dance-like patterns.

The movement is intertwined with striking poses end tableaux, as well as exciting flips and somersaults. As with all forms of traditional Japanese performance, tachimawari at least strives on the concept of the frozen moment, or me, and this element is constantly reiterated in the rhythmic pattern of the movements.

Even the darning flips incorporate ma — the best performers of these acrobatics are said to be capable of pausing briefly in mid-air. Music and rhythmic beating of wooden clappers are an indispensable part of the battle scenes.

Tachimawari scenes employ a wide variety of weapons, including swords, spears end halberds. Some tighting scenes employ unusual properties such as lell ladders, which the protagonist may climb while fighting off a band of attackers.

Tachimewari are composed of classical movement patterns, or kata. The actors learn these from a specialist, the tateshi. Mr. Bando Yaenosuke, who is accompanying the troupe to America, is the foremost tateshi in Kabuki and has been on the stage for 54 years.

Ticket orders for this performance may be placed with Master Charge or BankAmericard by calling the Series office (814) 865-1871 until Monday, Oct. 18. After that date, calls should be made to the University Auditorium box office (814) 863-0255.

Remaining tickets will go on sale at the HUB booth and University Auditorium box office starting Tuesday, Oct. 19, at 9 a.m.

Musica da Camera concert

Chamber works by Handel, Haydn, Bach and Hindemith will be performed in a concert by Musica da Camera introducing the group's new members at 8:30 p.m. on Wednesday, Oct. 20, in the Music Bldg. recital hall.

The 13-piece chamber orchestra, directed by Or. D. Douglas Miller, associate professor of music, has seven new players this fall. Featured in the performance of Handel's "Concerto Grosso," opus 6, # 1, will be new graduate student Linda Kistler, violinist and graduate of Oberlin Conservatory of Music, and returning student Helen Steinecker, a violinist with an undergraduate degree from the University of Alabama. Cellist will be Brent Wissick, a new graduate student from SUNY-Potsdam, who has performed as principal cellist at the Chautauqua Festival during the 1975 and 1976 summer seasons.

Cellist Earl Williams, a doctoral student in acoustics with degrees from the University of Pennsylvenia and Harvard University, will be soloist in Josef Haydn's Concerto for Cello and Orchestra in O Major.

Bach's "Brandenburg Concerto #3," for three violins, violas, and cellos and a continuo, and Hindemith's "Funf Stucke," five pieces for string orchestra, will complete the concert.

(Continued on page four)

Elsewhere in academe

Sports study funded

The Ford Foundation has awarded a $200,000 grant to the American Council on Education to create a commission which will undertake a three-year study of the problems facing intercollegiate sports. The format of the study wes originally suggested by George H. Hanford, executive vice-president of the College Entrance Examination Board, who conducted a preliminary inquiry into the subject two years ago. Although the commission has not yet been appointed, it is expected to include several college presidents among its membership and to consider topics ranging from the role of women and blacks in intercollegiate athletics to the value system fostered by sports.

Minority enrollments up

The number of minority group students enrolled as freshmen in engineering increased 46 percent last year, according to the Engineering Manpower Commission — from 4,080 in 1974-75, to 5,953 in 1975-76. Total minority group enrollments in 1975-76 made up about 6.2 percent of all engineering undergraduate enrollments.

Women's salaries lag

Job equality is still eluding women faculty, according to figures released by the National Center for Education Statistics. The average 9- or 10-month salary of male professors rose 6.7 percent during 1975-76 compared to 6.1 percent for female professors. On the average, faculty women earned $3,096 less than their male counterparts — compared to a differential of $2,820 in 1974-75. Women increased their share of faculty positions by only one-half of 1 percent, from 23.8 percent in 1974-75 to 24.3 percent in 1975-76.

Davis plan ruled unconstitutional

A special medical school admissions plan at the University of California at Davis, giving preferential treatment to minority group applicants, has been ruled unconstitutional by the California Supreme Court. The 6-to-1 decision held that the rights of nonminority applicants had been violated because preference was given to disadvantaged persons from minority groups on account of their race.

Arts roundup

(Continued from page three)

Super Mud Conference

The tenth annual Super Mud Conference, sponsored as a continuing education service of the Department of Art, will feature three exhibits and workshops, lectures, and demonstrations by five prominent guest artists Oct. 21-23 at the University.

Four of the invited artists, all major forces in contemporary ceramics, are the same who participated in the first Super Mud in 1967. They are Peter Voulkos of the University of California at Berkeley; Robert Turner of Alfred University, which has the nation's oldest ceramics program; Don Reitz of the University of Wisconsin at Madison; and Rudy Autio of the University of Montana.

Also invited this year is Rimas Visgardus of Millikin University, a pioneer in the rebirth of the use of wood-firing kilns, who has conducted workshops nationwide.

Work by the five artists, who will conduct workshops and demonstrations for conference registrants during the three days, will be shown in the Masterworks Exhibit in the main lobby of the Hetzel Union Bldg. All Super Mud exhibits will be shown from Oct. 20 to Nov. 3 and will be open to the public.

In the Hetzel Union Bldg. gallery of the Museum of Art, pieces by 15 invited established women artists from eastern seaboard states will be shown. Among those exhibiting will be Jan Mrozinski, Masako Miyata, and Jeanne Stevens-Sollman, all recipients of the master of fine arts degree from Penn State's art department.

The Super Mud student invitational, to be shown in Zoller Gallery in the Visual Arts Bldg., will include work selected by participating schools as representative of the best student work at that institution.

Conference organizers are David Dontigny, professor of art; James Stephenson, associate professor of art; and Ronald Gallas, assistant professor of art. Mr. Dontigny arranged the first Super Mud conference at the University 10 years ago.

Super Mud was originally established to bring together people of all ages, representing different interests, philosophies, and ideas concerning clay, to promote interest in the changing world of ceramics, and its organizers still adhere to that objective.

Further information on the Super Mud Conference is available from Ronald Avillion, conference coordinator, at 865-7557. Advance registration is requested. A reduced registration fee is available to full-time students.

Glee Club, Wind Ensemble to play

The sixth annual Homecoming Concert by the Penn State Glee Club will this year also feature the Penn State Symphonic Wind Ensemble at 7:30 p.m. on Saturday, Oct. 16, in University Auditorium.

The 80-voice Glee Club, directed by Bruce Trinkley, associate professor of music, will open with the traditional "Brothers, Sing On" by Grieg. Following the unaccompanied first portion, which also will include "We Shall Walk Through the Valley in Peace" and "This Train" with baritone soloist Donald Pisegna, the Hi-Lo's will perform songs from American presidential campaigns.

The Hi-Lo's, 14 selected Glee Club members, have prepared a repertoire of campaign songs throughout American history as a result of research by Mr. Trinkley. Among those to be heard in the concert are "Old Tippecanoe," "Would You Rather Be a Tammany Tiger or a Teddy Bear?" and "I'm Just Wild about Harry."

The Symphonic Wind Ensemble, directed by Smith Toulson, assistant professor of music, will perform William Schuman's arrangement for band of his "Chester Overture," based on the familiar Revolutionary War song and adopted from Schuman's setting of it as part of his "New England Triptych."

The closing segment of Saturday's program will be the two groups' performance of Randall Thompson's "The Testament of Freedom," based on passages from three writings by Thomas Jefferson. Written for the 200th anniversary of Jefferson's birth, the piece was first performed at the University of Virginia, which Jefferson established, on Founder's Day in 1943.

Broadcast nationwide and re-broadcast for troops overseas by the Office of War Information in its premiere, the work is taken from Jefferson's "Sum Review of the Rights of British America," "Declaration of Causes and Necessity of Taking Up Arms" (1775), and a letter to John Adams written at Monticello in 1821.

Drawings, ceramics exhibited

Drawings of Frank Howell and ceramics by Dr. Robert Beittel, professor of art education at the University, compose an exhibit that will continue through Oct. 21 in the gallery of Chambers Bldg.

The drawings of Mr. Howell, a professional artist, are on a two-year national tour as an exhibit titled "Past Winds." Dr. Beittel has chosen his latest ceramic pieces for the exhibit, which is open from 8 a.m. to 5 p.m., Monday through Friday.

"Past Winds" consists of 25 drawings in graphite and watercolor. Mr. Howell has said: "People are vehicles for portraying elements of life." He uses Indians because they are "the contemporary microcosm of what existence versus living is all about." The Indians are not actual portraits, but represent the "Amerinds" who are the spirits of the past.

Dr. Beittel has worked in ceramics for approximately 30 years, both in Japan and in the United States. He has studied traditional pottery methods with the Japanese master potter, Manji Inaba.

"Through my works," Dr. Beittel explains, "I strive to reflect wonder, simplicity and quietness, as opposed to the spectacular. Pots, to me, need to be handled, used, positioned, and set within a life context to come alive."

His style blends Eastern, Western, historical and modern styles of ceramics.

CIES Secretariat moved to Penn State

University Park has been selected as the new site for the Secretariat of the Comparative and International Education Society (CIES), formerly located at UCLA.

CIES is designed to act as a catalyst to teaching and scholarship in comparative and international education and to facilitate international exchange of documents.

The Secretariat is under the direction of Dr. Beverly Lindsay, business manager of the society and an assistant professor in the Division of Education Policy Studies. Assistance will also be provided by Drs. Joseph Alessandro, Frank McKenna and Yoshimitsu Takei, faculty in the Division of Education Policy Studies.

The Comparative and International Education Society, founded in 1956, publishes The Comparative Education Review, the official journal of the society, which includes materials on developments in international education, stressing historical, socio-cultural, political and economic analysis. The CIES Newsletter, which is published quarterly, disseminates information of general interest to the society's membership. It informs members of national and regional conferences, professional concerns, business meeting highlights, research and teaching activities, and publications in world education.

The Secretariat is responsible for producing the Newsletter for the 2,300 educators, students, administrators, and consultants throughout the world that make up the society's membership. In addition, the Secretariat mails the Review, handles membership recruitment, and manages all financial matters pertaining to the society. Registration and related matters for the CIES annual conferences are also channeled through the Secretariat. The next annual conference of the society will be held in New Orleans Feb. 16-19.

For more details and information concerning the society (including orders for past journals or newsletters), please contact Dr. Lindsay at Room 301 Rackley Bldg or call 865-1487.

Funding opportunities

For procedural and funding source information, call 865-1372.

(238-3) The deadline for the **NSF/CAUSE** (Comprehensive Assistance to Undergraduate Science Education) program has been extended to Dec. 3

(242-4) NSF Directorate for **Biological, Behavioral and Social Sciences** reminds applicants that a six-month lead time prior to grant award should be planned for submitting proposals. Programs in this directorate include: anthropology, linguistics, memory and cognitive processes, neurobiology, psychobiology, sensory physiology and perception, and social and developmental psychology. (Rel NSF 76-27 fact sheet)

(242-2) The Office of Federal Programs has issued a limited report on AASCU (American Association of State Colleges and Universities) participation in **National Endowment for the Humanities Programs.** Copies are available on inclusive overview of NEH programs. (Rel ibid)

(242-4) The National Science Foundation has issued a FY 1977 **Guide to Science Education Programs,** which includes program descriptions and time-schedule information. Minor program areas include: **science education resources improvement** — CAUSE, ISEP, RAIS, LOCI, ANO PSTEP; **science manpower improvement** — graduate and postdoctoral, selected, and student-oriented; and women in science; **science education development and research** — precollege, technological innovation, alternatives, continuing education, and public understanding. (Rel ibid)

(242-5) Instructions and guidelines have been issued for FY 1977 funds under **Title I of the Higher Education Act of 1965 for Continuing Education and Community Service.** Proposals must be received in the Washington Office of HEW by 5 p.m. on Nov. 1. Preproposals may be submitted prior to that date. For details contact Grove Spearly or Bill Jacobs at 865-0463 or visit them at 655 Kelly Bldg., University Park (Rel. F. B. Fisher memo)

(243-1) The Spencer Foundation has issued its 1976 annual report, which includes a summary of grants and books supported for the year ending March 31, 1976. Also included is research in the behavioral sciences directly improvement of education. The procedure for submitting a proposal is included in the report. (Rel. ibid).

(242-2) The Office of Education has established a Nov. 15 deadline for its **Vocational Education Curriculum** program. (Ref. 41FR40191 9/17/76) (CFOA 13.496).

(243-3) The National Institute of Education has published its **NIE Program Priorities Plan FY 1976.** The Institute is organized to consider the following problem areas: dissemination and use of sources, education finance, education and school capacity for problem solving, basic skills and finance and productivity. (Rel. ibid).

(243-4) The National Science Foundation is expected to announce in Dec. 10 deadline date for its second **RIAS (Research Initiation and Support) Program.** Two-page outlines are to be submitted to Dr. Hal Mabie, NSF, who will select a single proposal for NSF. Research Opportunities has the details. (Rel. RGC Memo 9/21/76).

(244-1) NSF has announced a Nov. 1 deadline for the next round of its **Women in Science Program,** including **Science Career Workshops and Science Career Facilitation Projects.** Workshops will offer science career information to women undergraduate students. Facilitation projects are designed re-entry of women into science, science education and are based on institutional grants. (Ref. NSF E77-26)

WPSX highlights

Prime Minister Indira Gandhi of India is the subject of an hour-long special, **Mrs. Gandi's India,** at 10 p.m. on Friday, Oct. 15. The program includes a lengthy interview with Mrs. Gandhi, who defends her increasingly dictatorial leadership of the subcontinent and comments on pressures from Western nations.

Getting On, a new series for older Americans, premieres at 5 p.m. on Sunday, Oct. 17. The first program features a profile of retiree Jack Goodman, who is a volunteer guide for school children at the Bronx Zoo.

Candidates for the Pennsylvania House of Representatives will be interviewed on **The Candidates** the week of Oct. 18. Beginning at 9 p.m. on Monday, Oct. 18, the series will present separate 15-minute interviews with candidates in the 50th, 63rd, 65th, and 68th districts. On Tuesday, starting at 9:30 p.m., candidates from the 70th, 72nd, and 83rd districts will be interviewed. On Friday, Oct. 22, at 9:30 p.m., the series will feature candidates from the 67th, 82nd, and 84th districts. Interviews will continue the following week.

Julie Andrews and Bill Bixby are the hosts of **The Puzzle Children,** a special program about learning disabilities, at 8 p.m. on Tuesday, Oct. 19. At 9 p.m. **Puzzled Parents,** a Penn State Television companion program, will feature Glen Foster, assistant professor of special education.

A special television production of Puccini's "Madama Butterfly" is the **Great Performances** presentation at 9 p.m. Wednesday, Oct. 20. Herbert von Karajan conducts the Vienna Philharmonic and an International cast headed by Mirella Freni in the title role.

Staff vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been filled with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply for such positions. Call Employment, 863-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., Oct. 21, 1976. **CONTACT THE AREA THAT HAS THE VACANCY.**

STAFF PHARMACIST, EVELYN G. FREDERICK HEALTH CENTER — Millersburg, PA

Responsible for the following: perform pharmaceutical functions of out-patient dispensing, intravenous admixtures and hyperalimentation preparations, chemotherapeutic compounding, providing drug information to physicians, students, nurses, and patients. Maintain drug profiles, enforce formulary regulations and maintain required pharmaceutical records and inventory levels. Bachelor of science in pharmacy plus one to two years directly related experience. Pennsylvania registration in pharmacy eligibility required.

ASSISTANT DIRECTOR (LEADERSHIP AND GROUP DEVELOPMENT), RESIDENTIAL LIFE, STUDENT AFFAIRS — University Park

Responsible to the Director of Residential Life Programs for the development and implementation of programs as they relate to leadership and group development. Specific responsibilities include establishing a large leadership and sorority program, implementing leadership development programs for resident groups, including training program for non-service staff staff. A master's degree in student personnel services or equivalent, plus two to four years of directly related experience, preferably with Greek organizations and/or leadership training.

ADMINISTRATIVE ASSISTANT FOR ACADEMIC AFFAIRS — Shenango Valley

Responsible to the Associate Director for Academic Affairs for the development of courses schedules, maintenance of academic records, implementation of academic services for all faculty, registration functions in the recruitment and assignment of part-time faculty. Some supervision and considerable contact with faculty and students. Doctorate preferred in higher education or other related fields, plus one or two years of directly related experience, or master's degree in related field, with four to four years of directly related experience in higher education, or the equivalent combination of education and experience.

English department can't do the job in a vacuum, head says

The chairman of the Department of English said last week that an insistence by all faculty members that their students write and in their writing meet the requirements of standard edited English, will raise the level of writing skills at the University without extra cost.

Dr. Robert W. Frank Jr. outlined his ideas at a meeting of the University Faculty Senate, saying he was prompted to do so after Senate discussion of an informational report in September by the Joint Senate-President Commission to Study Remedial Education. He said he was not responding to "the current campaign," a reference to recent discussion in his department of ways to improve substandard writing abilities among students.

"I do not mean by this suggestion to shift any of the responsibilities of the Department of English to other shoulders," Dr. Frank said. "I want to remind you, however, of some fundamental facts that cannot be dodged. Language is a complex, arbitrary system of habits which meet social, cultural demands. It is a set of habits social in origin and function."

The chairmen said many students come to the University having learned, in the particular social dialect they grew up speaking and writing, specific linguistic habits not characteristic of and not accepted in the dialect approved by most educated people in this country.

"These unacceptable habits must be changed," he maintained. "To change such habits after early childhood is a difficult task. Newly learned linguistic patterns require constant practice and constant support if they are to be maintained long enough to replace old . . . patterns . . . permanently."

Dr. Frank said changing these habits at the written level is the job of English 11, 1 and 3, but the lack of reinforcement in later courses will allow the student to revert to old habits. He said the student will begin to feel that correct and disciplined written English is peculiar to English 11, 1 and 3.

"The real world will tell him different," Dr. Frank pointed out, "but by that time it will be too late."

He emphasized the importance of "practice, practice, practice" for students to learn to write well and retain what they've learned.

"If a student is rarely asked to write in the University, it will be small wonder if he writes poorly when he writes at all," the chairmen said. "Or if he is asked to write term papers, reports, and essay exams but the quality of his writing (or the correctness) never counts, why should he go through the frustrating, agonizing process of revision, reorganization, rewriting, and proofreading that most of us have to go through before we can turn out a halfway decent piece of prose?"

Dr. Frank noted the general public is becoming more dramatically concerned each day with the problem of writing and reading skills; business and industry need and demand them. They are, he said, "the classic instruments for social mobility," and "the university is the last chance students have to master them."

The chairman said his plea is that departments and instructors make some use of writing assignments if they have not been doing so, and make more use of them if they have. As vital as requiring writing is measuring it against the standards of edited American English.

"Reputable businesses will not accept misspellings from their employes," he explained. "Why should a reputable University instructor? A badly written report, disorganized and incoherent, will not be praised by a plant manager. Why should the same kind of report receive an A in a course instead of a C or D or F because 'the content is OK'?

"We cheat our students and their parents, we rob them blind, if we do not impose upon them the same standards the outside world will impose, and exact the same price for semi-literate, or fumbling, or feeble writing that same world will exact."

He said he was not asking all instructors to become English teachers, only that they demand "clear, decent prose," and recommend the Writing Center to students who need help.

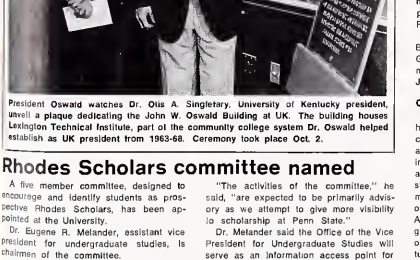
"Just for your students to know that writing clearly and correctly means enough to you for you to do something about it — or make the recommendation that they do something about it — will in itself make a great difference in attitudes toward writing among students," Dr. Frank asserted.

He also said the department is willing to set up faculty workshops to assist faculty members in holding their students to the standards of writing expected in the outside world.

"Given the levels of linguistic competence of many of the students we are serving today . . . and given the stringencies of our resources and the size of our composition classes . . . there are obviously limits to what teachers of freshman composition can accomplish no matter what you might call us or where you might put us," he said. "But we can accomplish something . . . sometimes . . . amazingly much. What we can do will be lost, however, if the society, the University, in which we operate, does not reinforce in obvious ways at its disposal what we are striving desperately to teach our — and your — students."

PENN STATE intercom

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President Oswald watches Dr. Otis A. Singletary, University of Kentucky president, unveil a plaque dedicating the John W. Oswald Building at UK. The building houses Lexington Technical Institute, part of the community college system Dr. Oswald helped establish as UK president from 1963-68. Ceremony took place Oct. 2.

Rhodes Scholars committee named

A five member committee, designed to encourage and identify students as prospective Rhodes Scholars, has been appointed at the University.

Dr. Eugene R. Melander, assistant vice president for undergraduate studies, is chairman of the committee.

Members are Dr. John J. Coyle Jr., head of the Department of Business Logistics; Dr. Lee W. Saperstein, a Rhodes Scholar and associate professor of mining engineering; Dr. Rosemary Schraer, associate dean for research in the College of Science; and Dr. Stanley Weintraub, director of the Institute for the Arts and Humanistic Studies.

In announcing the appointments, Dr. Robert E. Dunham, vice president for undergraduate studies, said the committee has been asked to be concerned with the general encouragement of scholarship at Penn State as well as to participate in preparing evaluations and rankings of University applicants for Rhodes Scholarships.

"The activities of the committee," he said, "are expected to be primarily advisory as we attempt to give more visibility to scholarship at Penn State."

Dr. Melander said the Office of the Vice President for Undergraduate Studies will serve as an information access point for students interested in Rhodes Scholarships. It also will provide liaison with the American Secretary of the Rhodes Trust and with the chairman of the State Elections Committee.

The Rhodes Scholarships, established by the will of British statesman and business magnate Cecil J. Rhodes who died in 1902, are usually tenable for two years and may be used for almost any field of study at the University of Oxford, England.

Persons who will receive their baccalaureate degree before October 1977 may apply. Quality of both character and intellect is the most important requirement.

For the first time this year, Rhodes Scholarships are open to both men and women.

News in brief

Barth to speak

Noted novelist John Barth, a Penn State faculty member from 1953 to 1965, will discuss "Contemporary Society's Impact on Literature" at 8 p.m. on Thursday, Oct. 21, in Schwab Auditorium.

Mr. Barth's visit is part of the Contemporary Literature Program being offered at the University by Colloquy.

In addition to Thursday evening's talk, Mr. Barth will conduct a workshop on "The Beginning Writer" at 3 p.m. on Thursday in Room 301 Hetzel Union Bldg. On Wednesday, Oct. 20, the University Readers presented Mr. Barth's "The End of the Road."

Among the best known works of Mr. Barth are "The Sot-Weed Factor," "Giles Goat-Boy," "The Floating Opera" and "Chimera." He is currently a faculty member at Johns Hopkins University.

Childrens' Halloween party

The Graduate Student Association will hold its third annual Halloween Party for children of Penn State students, faculty and staff at 6:30 p.m. on Thursday, Oct. 28, in the Kern Graduate Bldg. Games, prizes, apple bobbing, pumpkin carving, puppet shows, a haunted house, fortune tellers, music and refreshments are just a few of the activities planned for the evening. A costume parade will highlight the program, with prizes awarded for the most original, prettiest, ugliest and scariest costumes. Only children with costumes will be admitted. The Halloween Party is geared for children between the ages of 3 and 12 years.

Faculty Club to hold dance

Penn State's Faculty Club has arranged a dinner dance for its members the evening of Saturday, Oct. 23. Festivities commence at 6:30 p.m., with a German dinner to be served at 7:15 p.m. The Four Jacks Orchestra will play from 8 to 12 p.m. The price is $10 per person, and reservations may be made by calling the club office, 865-1982.

Effective Saturday, Oct. 23, the club will institute new hours of operation. Lunch will be served from 11:30 a.m. to 2:30 p.m., Monday through Friday. Dinner will be served from 5:30 to 8 p.m., Monday through Saturday. The club will not open on Saturday until 5:30 p.m. and will remain closed on Sunday.

Graduate faculty meeting

The Annual Graduate Faculty Meeting will be held at 3 p.m. on Oct. 26 in the Assembly Room (Room 112) of Kern Graduate Bldg. Remarks will be made by President Oswald on graduate education and research and what the future holds for Penn State.

Faculty liability protection

The Faculty Advisory Committee, in an Oct. 4 meeting with President Oswald, discussed numerous aspects of the University's broad and diversified insurance and risk program. At the present time, the University provides insurance coverage for its employees in many areas of risk which arise in the performance by faculty and staff of assigned duties within the scope of their employment. Because of the complex and diversified nature of this program, it is not practical to readily describe its limits. However, if questions arise as to the type and extent of coverage, it is suggested that Michael G. Klein, risk manager, be contacted at 814-865-6307. Mr. Klein will be very willing to assist any faculty or staff member in answering inquiries concerning the nature and type of the insurance provided by the University for its employees' protection.

Calendar center

The Office of Public Information and Relations has been designated as the central calendar information source for the University. Henceforth, the INTERCOM calendar editor will maintain a listing of all events scheduled at University Park — as well as appropriate Commonwealth Campus listings. Anyone wishing to schedule an event is encouraged to call the Calendar Editor (865-2501) to learn whether conflicts in scheduling will occur. The Calendar Editor is located in Room 301 Old Main.

(Continued on page four)

Faculty notes

Two senior members of the Pattee Library faculty have been appointed to fill new positions. **Mrs. Elizabeth Ellis,** chief undergraduate librarian, has been named coordinator for Instruction and head of library studies, and **John Kaiser,** chief acquisitions librarian, is the coordinator of collection development and library area programs Both will also continue in their present assignments for now

The new positions were established as a result of the library's Management Review and Analysis Program, which studied University libraries at the main campus from August 1971 to September 1975. As coordinator for instruction, Mrs. Ellis is responsible for planning, development and quality control of e comprehensive program of instruction at University Libraries, including formal and informel instructional activities As head of library studies she is responsible for development and administration of e credit instruction program and will serve as e liaison with the University in instructional matters.

Mr. Kaiser's new responsibilities include planning and quality control of collection development policies for University Libraries. He will develop policies and guidelines, advise and assist selectors, evaluate policies and collections and prepare requests for funding. He will also serve as liaison with faculty on a University-wide basis.

Earlier this month, **Dr. Stanley Rosen,** professor of philosophy, was Mellon Visiting Professor at Trinity College, where he presided over two seminars on Nietzsche and spoke on "Hegel and Historicism."

Robert Harding, instructor of art, has a one-man exhibition of drawings, oil paintings, and ceramic reliefs through Oct. 22 at Gallery Gloria Cortella, New York The work was accomplished during the past year.

Three faculty members of the Department of German participated in a Symposium on German-American Literature and Culture Oct. 8-9 at the University of Kansas. **Dr. W. Lamarr Kopp,** professor of German and associate dean of the College of the Liberal Arts, presented a paper on "The Allen-Shelley Collection of Americana Germanica." A joint paper on "Language Loyalty among the Pennsylvania Germans: Linguistic and Socioreligious Aspects" was given by **Dr. Willard M. Martin,** assistant professor of German, and **Dr. Keith O. Anderson,** associate professor of German.

Dr. Chauncey A. Morehouse, professor of physical education and program coordinator of the University's Sports Research Institute, was recently elected chairman of Committee F-8 on Sports Equipment and Facilities of the American Society for Testing and Materials (ASTM). Committee F-8 develops ASTM standards for protective equipment for sports and related materials to minimize injury.

Dr. John D. Ridge, professor emeritus of economic geology and mineral economics, was recently elected president of the International Association on the Genesis of Ore Deposits for a four-year term. Dr. Ridge is currently adjunct professor of geology at the University of Florida.

Dr. Joseph J. Villafranca recently attended the 7th International Conference on Magnetic Resonance in Biological Systems held at St. Jorste, Quebec, Sept. 19-24. He presented a paper entitled "Metal-Metal and Metal-Substrate Distances in Glutamine Synthetase."

Kenneth Holsmon, professor of theatre and film, has designed four stage productions currently in performance or preparing to open. The four are the off-Broadway Spanish comedy, "Greta Garbo of 42nd Street;" "A Whinney and a Whistle," a children's theatre musical which was given a special performance at the Museum of Natural History on Oct. 2, and then re-joined the revolving repertoire of the First Act Repertory Company (formerly Merri-Mvni Players); "Our New York," a new Spanish language musical for INTAR which opens Nov. 14; and costume designs for Women of the Nile, a touring rock production for LaBelle.

Robert M. Munzenrider has been promoted to assistant professor of public edministration at Capitol Campus.

Dr. Richard G. Cunningham, vice president for research and graduate studies, was elected vice president of the Engineers' Council for Professional Development at its 44th annual meeting. The council is a joint venture supported by 15 national engineering and professional societies, including the American Society for Engineering Educalion, The National Council of Engineering Examiners, The National Society of Professional Engineers and 12 technical societies associated with engineering disciplines. The ECPD is recognized by the Council on Post-Secondary Accreditation and by the U.S. Office of Education as responsible for the accreditation of engineering and engineering technology degree programs in the United States. Dr. Cunningham, who was head of the Department of Mechanical Engineering from 1962 to 1971, continues to teach and conduct research in fluid mechanics in the department. He received the American Society for Mechanical Engineers' 1974 L.F. Moody Award for Distinguished Service to the Profession and the Society, the Outstanding paper in fluids engineering that year.

Alegria Bendetac, assistant professor of French at Schuylkrtl, has published three works: a monograph entitled "Structures du reve et de la zealte dans Sylvie;" an article, "Monialgne a la recherche d'un equilibre de relations entre le Moi et Autrui;" in the Bulletin de la Societe des Amis de Montalgne; and a poem, "Reflects," in Paris, encyclopede poetique.

Two members of the Capitol Campus faculty were participants in the Pioneer of America Society's Ninth Annual Meeting held October 15-17 in Lancaster. **Dr. Yvonne Milspaw,** assistant professor of American studies and folklore, was the program chairperson for the meetings, which focused on the German culture in the Pennsylvania area. **Dr. Irwin Richman,** professor of American studies and history, spoke on "The Pennsylvania German Gardener in Transition."

Dr. Gordon F. DeJong, professor of sociology, and **Dr. Zafar M. N. Ahmad,** associate professor of community development, have coauthored a chapter in the book, "Internal Migration: The New World and the Third World," published by Sage Publications, Inc. The chapter is titled "Motivation for Migration of Welfare Clients."

Dr. Stanley Gilman, professor of architectural engineering, was recently appointed to two Engineers' Council for Professional Development (ECPD) accreditation committees. He received a two-year appointment to the ECPD Council and a three-year appointment to the ECPD Board of Directors.

Dr. Joseph Kockelmans, professor of philosophy and director of the Post-Doctoral Interdisciplinary Program, chaired a meeting of the International Phenomenological Conference at Siena last July. In September, he participated in a conference on Science, Philosophy and Culture in Venice. This month he returned to Europe for a philosophical conference in Cotogne, where he spoke on the subject, "Whither Philosophy?"

Dr. Gene M. Love, head of the Department of Agricultural Education, spent two weeks this past summer in Afghanistan under the auspices of the U.S. Agency for International Development. He assisted a research project conducted by the College of Agriculture and Life Sciences at Kabul University to assess the competencies needed by beginning agricultural workers in Afghanistan.

Eight paintings by invited artist **Bill Hanson,** associate professor of art, have been selected by the advisory board of the Maine Coast Artists at Rockport, Me. Four paintings by Mr. Hanson were hung in the exhibition, and the remaining pictures are available for inspection by interested viewers.

Steven Smith, assistant professor of music, recently performed with the Baylor University Symphony Orchestra, conducted by Daniel Sternberg, at Baylor University, Waco, Texas. Mr. Smith was honored by Baylor last February, receiving the Outstanding Alumni award and participating in a week-long alumni institute. With the symphony last week, he performed the Mozart Concerto in C Minor.

Dr. Ernest L. Bergman, professor of plant nutrilton, has been named a Fellow by the American Society for Horticultural Science. Since 1958, Dr. Bergman has been working to improve the blanching celery industry of Pennsylvania, and he was cited for his excellence in research, teaching, and communications dealing with plant nutrilion. He was equally commended for service to the vegetable industry and for research on virus infection and nutritionel requirements in vegetable crops.

Dr. Jean W. MacCleur, associale professor of biology, presented a paper, "On the Likelihood of Demonstrating Differential Fertilty in Genetic Studies," at the Fifth International Congress of Human Genetics last week in Mexico City.

Dr. Frenk W. Symons Jr., research associate at ARL, presented a paper, "Properties of the Complex Digital Inverse Filter as Applied to Narrowband Interference Rejection," at the 14th Annual Allerton Conference on Circuit end System Theory recently held at the University of Illinois.

Dr. James Burness, assistant professor of chemistry at York, delivered a paper during the Third International Symposium on Platinum Complexes in Cancer Chemotherapy in Dallas, Texas, Oct. 18-20. His subject was "The Interaction of Platinum Containing Polycations and Polyanions with BioMacromolecules."

Appointments

Richard A. Filler es assistant professor of engineering at Capitol Campus. B.S.C.E., Indiana Institute of Technology; M.S., Penn State. Former civil engineer for the Commonwealth of Pennsylvania.

Robert S. Hyde as assistant professor of physics at Ogontz. B.A., Colgate; M.S., U of New Hampshire; Ph.D., Penn State. Formerly at U. of Colorado.

Neil A. Mercando as assistant professor of biology at Ogontz. B.S., Bloomsburg State College; M.S., Penn State; Ph.D., North Carolina State. Former assistant professor at North Carolina State.

Robert G. Wiley as instructor in recreation and parks at Ogontz. B.S., SUNY at Cortland; M.S., Penn State. Former therapeutic recreation supervisor in South Carolina.

Frank S. Archibald as research associate in Applied Research Lao. B.Sc., U. of Wisconsin; M.Sc., U. of Manchester, England, Ph.D., Cambridge U., England. Former senior engineer with Pratt and Whitney in Connecticut.

Bookshelf

"Getting the message across" is just one idea about how communication works — and not always the most useful concept — according to a new book co-authored by **Dr. Paul D. Holtzman,** professor of speech communication.

Three different but commonly held notions of the communication process, which can lead to different results, are developed in the programmed text. The three ways of seeing the communication process are identified as transmission, evoking response, and interaction. The authors explain that the statement, "She knows because I told her," reflects a transmission "model" of communication; that "If he doesn't understand I'll have to find another way to tell him," reflects a response model; and that "Let's get together and see what we come up with," reflects an interaction model guiding the speaker.

The programmed book is entitled "Communication Concepts and Models" and is published by the National Textbook Co. Dr. Donald H. Ecroyd, professor of speech communication at Temple University, is co-author.

Dr. Holtzman has been a member of the University faculty since 1957 and is author or co-author of several earlier books and a number of articles end research reports in the field of speech communication. He is director of the Graduate School Language Testing Center for International Students and supervises the teaching of English as a second language in the Department of Speech Communication, His current research interest centers on the differences in communication concepts which are inherent in different cultures.

Press issues three books

Buddhism, literary criticism and psychology, and black novelists are the subjects of three books published by Penn State's Press.

Robert A. F. Thurman, who teaches religion at Amherst College, is the translator of "The Holy Teaching of Vimalakirti: A Mahayana Scripture," which has been published in cooperation with the Institute for Advanced Studies of World Religions. Called the "jewel of the Mahayana Sutras," this work presents the major teaching of Mahayana Buddhism in a precise, dramatic and even humorous form. Vimalakirti's message is particularly appealing to a secular age, since he was a man of the world rather than a monk or a saint. The translation makes available in relatively nontechnical English the Tibetan version of this key Buddhist scripture, which is generally conceded to be more faithful to the original Sanskrit than the previously available Chinese translations

"Literary Criticism and Psychology," Volume VII in the Yearbook of Comparative Criticism" series edited by Dr. Joseph P. Strelka, a former Penn State faculty member now teaching at SUNY-Albany. The book includes essays by 15 contributors dealing with the psychological problems within literary study and divided into three segments: Basic Theoretical Problems, Special Problems and Methods, and Critical Surveys. Dr. Strelka has contributed a preface.

Twelve black writers are discussed in "The Novels of the Harlem Renaissance" by Amritjit Singh of Lehman College-CUNY. Rather than explicating the 21 novels under consideration, Prof. Singh concentrates on the common aesthetic and sociocultural impulses which informed them. He takes a neutral stance on the argument for and against the concept of a Harlem Renaissance in the twenties, a period characterized by great creativity among Afro-Americans, but notes that these writers failed to "develop a shared aesthetic or critical outlook on matters relating to art and literature." Among the writers whom he discusses are Arna Bontemps, Countee Cullen, W.E.B. DuBois, Jessie Redmon Fauset, Rudolph Fisher, Langston Hughes, Nella Larsen, Claude McKay, George S. Schuyler, Wallace Thurman, Jean Toomer and Walter F. White.

Senate committee revises rules

It was a difficult, demanding — sometimes frustrating — task, but the chairman of the University Faculty Senate Special Committee on Student Rules feels it was well worthwhile.

The committee, headed by Dr. Thomas E. Daubert, spent a year and a half working on a myriad of student rules, juggling them, revising, deleting, clarifying.

Their efforts culminated in the new "Academic Policies and Procedures for Undergraduate Students," comprising some 25 pages in the 1976-77 Student Handbook

"The Committee members feel their effort was worthwhile," Dr. Daubert said. "We now have a coherent document with few inconsistencies. But we'll have to see it in practice before we know if we did a good job as far as the students and faculty are concerned."

In the course of their revisions, the committee created three basic sections — admissions, academic programming and graduation — following what a student does while enrolled at the University.

The Committee's emphasis centered on adding policies that were never made part of the student rules, providing some sense of order, and removing any inconsistencies.

Those inconsistencies which the Committee couldn't resolve and which needed further clarification were sent back to Senate committees.

"In the past," Dr. Daubert said, "the order of the rules was such that, if you weren't familiar with them, you couldn't find anything. We have changed that."

Major additions included the new admissions package and procedures for waiving or granting exceptions to the rules.

Many of the old policies were adopted in the 1930s and 1940s, and these were either deleted or revised to bring them up to date with current practices.

University Park Calendar

October 21—31

Items to be included in this calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special events

Thursday, Oct. 21
John Barth, novelist, workshop on "The Beginning of a Writer," 3 p.m., Room 301 HUB.
Psychology Reference Materiels Seminar, 7 p.m., Room W110 Pattee Library.
John Barth, "Contemporary Society's Impact on Literature," 8 p.m., Schwab.
Tenth Annual Super Mud Conference.

Friday, Oct. 22
Tenth Annual Super Mud Conference.
GSA Coffeehouse, 8 p.m., Room 102 Kern.
Pawel Cwalinski, piano recital, 8:30 p.m., Music Bldg. recital hall.
Free U Disco Dance, 9 p.m., HUB ballroom.

Saturday, Oct. 23
PSOC Sailing Club and Penn State Sailing Team, Intercollegiate Sailing Regatta, Stone Valley, 9:30 a.m., Stone Valley.
Sports: Men's cross country, vs. Georgetown and William & Mary; women's tennis, vs. Pennsylvania, 10:30 a.m.
Faculty Club Dinner Dance, 6:30 p.m., Faculty Club. Four Jacks Orchestra.
GSA Disco Dance, 8 p.m., Room 102 Kern.
Tenth Annual Super Mud Conference.
Penn State Folklore Society square dance, 8 p.m., HUB ballroom.
Karate Series, Martial Arts of Kabuki, 8:30 p.m., University Auditorium.

Sunday, Oct. 24
Chapel Service, 11 a.m., Eisenhower Chapel. Paul S. Minear, Winkley Professor of Biblical Theology Emeritus, Yale University.



Kabuki performers

Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Elder John Loyd, State College.
PSOC Hiking Division, Trail Clearing, 9 a.m.; free picnic supper.
PSOG Sailing Club and Penn State Sailing Team, Intercollegiate Sailing Regatta, 9:30 a.m., Stone Valley.
Shaver's Creek Nature Center Ecology Walk, 3 p.m., Stone Valley.
United Nations Day Firing Line, panel discussion with Elton Atwater, Vernon Asparturian, George Brandow, William Dukat, and Kent Peterson as moderator, 7:30 p.m., HUB main lounge.

Tuesday, Oct. 26
Comp Lit Luncheon, 12:15 p.m., Faculty Club. Leon Lyday, Dept. of Spanish, on "Life and Works of Alfredo Dias Gomes," Sr. Gomes will be present.
English Colloquium, 8 p.m., Room 101 Kern. Philip Young, Dept. of English, on "Courtesan of the American Revolution: Margaret Moncrieffe."

Wednesday, Oct. 27
Raymond Brown, bass-baritone, 8:30 p.m., Music Bldg. recital hall.
Behrend Players, "When You Comin' Back, Red Ryder?" 8 p.m., Behrend College Studio Theatre.

Thursday, Oct. 28
GSA Halloween party, 6:30 p.m., Kern Bldg.
University Theatre, "Cradle of the Hero," 8 p.m., Playhouse Theatre.
Behrend Players, "When You Comin' Back, Red Ryder?" 8 p.m., Behrend College Studio Theatre.
Spanish Department, "The Theatre of Latin America: A Symposium," 8 p.m., Room 112 Kern.

Friday, Oct. 29
Sports, Junior varsity football, vs. Indiana (Pa.), 2 p.m.; soccer, vs. Shippensburg, 7 p.m.
Halloween Candlelight Dinner, Terrace Room, 4:45-7 p.m., HUB.
Spanish Department Symposium, 7:30 p.m., Room 112 Kern.
University Theatre, "Cradle of the Hero," 8 p.m., Playhouse Theatre.
Behrend Players, "When You Comin' Back, Red Ryder?" 8 p.m., Behrend College Studio Theatre.

Saturday, Oct. 30
Spanish Department Symposium, 8 a.m., Room 112 Kern.
Sports: Women's field hockey, vs. Ursinus, 1:30 p.m.
Halloween Candlelight Dinner, Terrace Room, 4:45-7 p.m., HUB.
University Theatre, "Cradle of the Hero," 8 p.m., Playhouse Theatre.
Behrend Players, "When You Comin' Back, Red Ryder?" 8 p.m., Behrend College Studio Theatre.

Sunday, Oct. 31
Chapel Service, 11 a.m., Eisenhower Chapel. Theodore J. Weeden, St. Bernard Seminary, Rochester.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Pastor Gerald G. Loyd.
Penn State Outing Club, wild cranberry hunting Rosecrans Bog and Mt. Logan Natural Areas, 9 a.m.
"Ghoulies and Beasties and Things That Go Bump in the Night," 8 p.m., Shaver's Creek Nature Center, Stone Valley.
GSA Coffeehouse, 8 p.m., Room 102 Kern.
Artists Series, Pilobolus Dance Theatre, 3 p.m. and 8:30 p.m., University Auditorium.
Penn State Wind Ensemble and Penn State Brass Chorale, 8:30 p.m., Music Bldg. recital hall.
Free U Disco Dance, 9 p.m., HUB ballroom.
Penn State Outing Club Overnight on Mt. Nittany

Seminars

Thursday, Oct. 21
Agronomy, 9 a.m., Room 309 Tyson. R. Rieck, "Chemical Renovation of Cool-Season Turfgrass Species with Glyphosate."
Chemistry, 12:45 p.m., Room 333 Whitmore. Kenneth N. Raymond, UC-Berkeley, on "Coordination isomers in Biologic Iron Transport; Microbes as Coordination Chemists."
Physics, 3:50 p.m., Room 117 Osmond. A. L. Ruoff, materials science, Cornell University, on "Prospects for Metallic Hydrogen."
Bioengineering, 4 p.m., Room 132 EE East. Bruce Towe, graduate student, on "Electrode Limitation in Electrocardiography."
Statistics, 4 p.m., Room 271 Willard. Raymond Carroll, University of North Carolina at Chapel Hill, on "Studentizing Robust Estimates."
Meteorology, 4 p.m., Room 26 Mineral Sciences. John Sobel, graduate student, on "Nested Grids in Numerical Weather Prediction."
Acoustics, 4 p.m., Room 71 Willard. Robert P. Kendig, graduate student, engineering mechanics, on "Acoustic Diffraction by an Impedance-Covered Half Plane."
Agriculture, 8 p.m., Room 213 Boucke. Dr. Phillip F. Kable on "A View of Australian Agriculture."

Friday, Oct. 22
Analytical Chemistry, 11 a.m., Room 333 Whitmore. Lance G. Rose, "Variables in Insect Pheromones as Revealed by Microanalytical Techniques."
Surface Science, 11:10 a.m., Room 339 Davey. W. A. Steele, chemistry, on "Response of Harmonic Oscillator Surface to an External Force."
Ionesphere Res. Lab, 4 p.m., Room 329 Electrical Eng E. Dr. Dickson M. Butler, Goddard Space Flight Center, on "Photo Electrons In the Venus Atmosphere."

Monday, Oct. 25
Anthropology, Biology, Ecology, and Poultry Science, 3:30 p.m., Room 101 Kern. Dr. John Maynard Smith, biology, Univ. of Michigan, on "Parental Investment anf Female Choice."
Biochemistry, 3:55 p.m., Room 101 Althouse. Dr. Moncllo Milkovic, biological chemistry, Hershey Medical Center, on "Carbohydrates as Starting Materials for Asymmetric Synthesis of Chiral Natural Products-Part I." Part II, Tuesday, 11:10 a.m.
Science, 3:55 p.m., Room 108 Tyson. Dr. Reginald A. Deering, biochemistry/biophysics, on "Carcinogens Are Mutagens."

Tuesday, Oct. 26
Urbanization, 9:35 a.m., Room 318 Sackett. Professor E. Lynn Miller, landscape architecture, on "The Effect of Urbanization on Public Open Space in the 19th Century as Viewed by Repton, Paxton and Olmsted."
Plant Pathology, 9 45 a.m., Room 213 Buckhout. R. Latin, "Epidemiological Aspects of Fusarium Wilt Resistance in Tomato."
Food Science, 11:10 a.m., Room 202 Borland. Dr. D. R. Lineback, "Structure of Starch."
Organic Chemistry, 12:45 p.m., Room 333 Whitmore. Dr. Charles M. Starks, Continental Oil Co.
Air Pollution Control, 2:20 p.m., Room 140 Fenske. Wilma Hunt, "Setting Environmental and Occupational Standards — Art, Science, or Expedency."
Engineering Science and Mechanics, 4 p.m., Room 206 Hammond. Dr. George J. Hasslacher III, Knolls Atomic Power Lab., G.E. on "Design vs. Analysis In Education and Industry."
Inorganic Chemistry, 8 p.m., Room 333 Whitmore. Professor Gregory L. Geoffroy, "How to Conduct a Job-Interview."

Thursday, Oct. 28
Agronomy, 8:15 a.m., Room 309 Tyson. D. Lambert, "Influence of Soil Conditions on Endogenous Mycorrhizae Infection."
Chemistry, 12:45 p.m., Room 333 Whitmore. Thomas J. Katz, Columbia University, on "New Developments in Carbocyclic Chemistry."
Anthropology, 3:30 p.m., Room 107 Carpenter. Anthony Boyce, Oxford University, on "Kariai Island, Papua New Guinea — A Study of Migration and Genetic Diversity."
Physics, 3:50 p.m., Room 117 Osmond. D. Pines, University of Illinois, on "Inside Neutron Stars."
Microbiology and Cell Biology, 3:55 p.m., Room 62 Frear. Gray A. Wilson, University of Rochester School of Medicine and Dentistry, on "Transformation of 'E. coli' and 'B Subtilis' with Foreign Cloned DNA."
Meteorology, 4 p.m., Room 26 Mineral Sciences. Dr. S. Manabe, Princeton University, on "Simulation of Ice-Age Climate by Mathematical Models."

Friday, Oct. 29
Surface Science, 11:10 a.m., Room 339 Davey G. A. Stewart, University of Pittsburgh, on "Experimental Studies of Phase Transitions In Adsorbed Noble Gases."
Analytical Chemistry, 11 a.m., Room 333 Whitmore. Joseph J. Dulka on "Determination of Trace Metals and Their Uptake by Bacteria."
History, 3 p.m., Room 124 Sparks. Dr. Marius B. Jansen, Japanese Literature, Princeton University, on "How the Japanese See China."

Lectures

Thursday, Oct. 21
MBAA Lecture Series, 7 p.m., Room 112 Kern. William Clemmens, "On Strategic Planning."

Monday, Oct. 25
Fitzhugh W. Boggs Memorial Lecture in Acoustics, 2 p.m., Room 112 Kern. Dr. E. J. Richards, Southampton University, England on "Evaluating Airport Noise."

Wednesday-Thursday, Oct. 27-28
Nelson W. Taylor Lectures in Materials Science, 4 p.m., Room 112 Kern. Dr. John A. Duffie, director of Solar Energy Lab. and associate dean of the Graduate School, University of Wisconsin-Madison, Wednesday on "The Prospects for Solar Heating in the United States," and Thursday on "Keys to Solar Energy Applications: Materials, Performance, and Costs."

Thursday, Oct. 28
Prof. D. Pines, physicist, University of Illinois, on "Building a World Scientific Community: Science Exchange with the Peoples Republic of China and the Soviet Union." Sponsored by the Dept. of Physics and Committee on International Programs.

Meetings

Sunday, Oct. 24
Interfaculty Folk Dancing, 7:30 p.m., small gym, White.

Monday, Oct. 25
Bridge Club, 6:30 p.m., Room 301 HUB.

Tuesday, Oct. 26
Annual Graduate Faculty, 3 p.m., Room 112 Kern. President Oswald on graduate education and research and the future of Penn State.
Keramos, 8 p.m., Room 26 Mineral Sciences. Professor W. D. Kinery, MIT, on "Characterization of Ancient Ceramics."

Wednesday, Oct. 27
Division of Community Development, 7:30 p.m., HUB main lounge. Richard Ouinney, "Crime and the Development of Capitalization."

University schedule

Monday, Oct. 25
First day for signing Winter Term NDSL and University Long Term Loans, Room 108 Shields.
Last date for Nov. grad to deliver thesis to Graduate School Office.
Last date for Departments to certify to Graduate School completion of required papers for Nov. grad.
Last date for Nov. grad to order cap, gown, and hood locally.

Exhibits

Museum of Modern Art: Recent Work by Stephen Porter, Gallery C, through Oct. 31. Antwerp Drawings from the 16th and 17th Centuries, Twenty Four British Potters; Recent Accessions, opening Oct. 31.
Zolter Gallery: Super Mud Student Invitational.
Chambers Gallery: Gary Rosine, Drawings and Paintings, opening Oct. 25.
Museum of Art-HUB Gallery: Super Mud Women's Exhibit, opening Oct. 21. Homecoming Exhibits.
Kern Gallery: Senior Citizens' Exhibition. Sandra Leltzinger, Watercolors. Grace Pileto, Porcelain. Canadian Art, opening Oct. 31.
Walnut Bldg Gallery: "Blacks in the Westward Movement," Smithsonian Institution Exhibit, through Oct. 24.
212A Arts Bldg: "Real Indians," photography by David Tait, through Nov. 12.
New Kensington Campus: Paintings by Stuart Frost.
Altoona Campus: Central Pa. Faculty Art Exhibit, through Oct. 22, Ivyside Gallery.

Films

Thursday, Oct. 21
Shakespeare film, "Hamlet" (Olivier), 6:30 p.m., Room 101 Chambers. Admission is free.

Friday-Sunday, Oct. 22-24
"Watermelon Man," 8 p.m., Robeson Center.

Tuesday, Oct. 26
Artists Series Hitchcock film festival, "Blackmail," 8 p.m., University Auditorium.
"O Pagador de Promessas" (Payment as Pledge), 7:30 p.m., HUB assembly room.

Wednesday, Oct. 27
South Cinema Musical, "Anchors Aweigh," 7 and 10 p.m., HUB assembly room.
GSA Commonsplace Theatre, "The Masque ot the Red Death," 7:30 and 9:30 p.m., Room 112 Kern.

Wednesday-Thursday, Oct. 27-28
Shakespeare film, "Hamlet" (Williamson, Richardson), 6.30 p.m., Room 101 Chambers. Admission is free.

Pilobolus offers Saturday show

A special afternoon performance of the Pilobolus Dance Theatre has been scheduled by the Artists Series at 3 p.m. on Saturday, Oct. 30, in University Auditorium.

The six-member dance troupe presents a bold new concept of dance theatre, combining skill, humor and innovation. In order to allow families to experience this new torm ot dance, tickets for the matinee have been placed at one low price for unreserved seating.

Noted for its originality and precision, the Pilobolus Dance Theatre has an extraordinary sense of ensemble. It is as though the dancers see with their bodies rather than with their eyes, and possess an uncanny knowledge of where their partners are, based more on a combination of faith and experience than vigilance.

Tickets will go on sale at the HUB booth and the auditorium box office beginning Tuesday, Oct. 26, from 9 a.m. to 4 p.m.

In addition to the Saturday metinee, Pilobolus, which will be at the University for a three-day residence, will present a performance on Friday, Oct. 29, as part of the Theatre/Dance Series, which is sold out by subscription.

Elsewhere in academe

South gaining

Southern states are approaching parity with the rest of the country in the field of higher education, according to statistics compiled by the Southern Regional Education Board and other education agencies. Examples: Southern expenditures for higher education increased by 390 percent between 1964-74 as compared to 340 percent nationally. Ten years ago, full professors in the South were the lowest paid in the country. Today their average annual salary is $18,293, or slightly more than professors in the Great Plains and Rocky Mountain states earn. The region's share of federal academic research and development funds has risen from e sixth to e fourth during the past 15 years. Community colleges in the South have increased threefold during this time span, to more than 300. Fifteen years ago, Southerners enrolled in college at only 70 percent of the national attendance rate; now they go at 85 percent of the national attendance rate. And finally, 25 years ago the region produced only one of every 10 of the nation's Ph.D.'s. Now it has one of every five.

Texas boycott ends

A year-long boycott of the university council, principal agency of campus government at the University of Texas-Austin, has been ended by the faculty and student senates there. The boycott was imposed after the University's regents appointed Lorene L. Rogers president of the school over unanimous opposition of a faculty-student advisory committee. While still protesting the method of selection of the president, the faculty and student senates decided to resume their responsibilities of governance "in the best interests of the university." The regents had previously decided to abandon the two-committee structure they had used for guidance in favor of a single body including all segments of the university.

SUNY reduces staff by 1,500

Although its fiscal problems have been overshadowed by those of New York's City University, the State University of New York system has been undergoing one of the largest retrenchments in the history of American higher education. During the past year, the size of the staff has been reduced by some 1,500 positions, including about 400 faculty. In a number of cases, faculty members with tenure were dismissed with only a few weeks' notice, and court cases are pending.

Arts roundup

Brown, Triolo to appear

Schumann's "Dichterliebe" and "Liederkreis" will be performed in an evening of lieder by Raymond Brown, bass-baritone, and Phyllis Triolo, pianist, at 8:30 p.m. on Wednesday, Oct. 27, in the Music Bldg. recital hall.

The two song cycles, written by Schumann near the time of his marriage to Clara Wieck in 1840, exemplify the Romantic movement. "Dichterliebe," the composer's most famous cycle, is a setting of 16 poems by Heine, and 12 Eichendoerf poems are set in "Liederkreis."

Mr. Brown, professor of music and director of choral music at the University, has performed in operas, oratorios and recitals in some of the major cities in the East. At the University, he has been heard in numerous recitals and oratorios and during the past few years has sung the leading male roles in the University Theatre's productions of Puccini's "Gianni Schicchi," Carlisle Floyd's "Susannah," and most recently the title role in Loesser's "The Most Happy Fella."

Choirs under Mr. Brown's direction have received international acclaim in the world's major newspapers.

Mr. Brown studied at the University of North Carolina, the Juilliard School of Music, Peabody Conservatory, and Johns Hopkins University.

Mrs. Triolo, critically praised for her 1969 Town Hall recital in New York, has studied at Michigan State University and held a fellowship at Juilliard School of Music where she studied with Carl Friedburg. The recipient of a Fulbright grant, she studied at the Paris Conservatory with Alfred Cortot and Jules Gentil, later earning her master's degree at the University of Illinois.

In addition to her career as a recitalist, she has participated in various forms of chamber music, appearing as guest artist with such groups as the Curtis Quartet of Philadelphia and the Alard Quartet.

Checinski concert Oct. 22

Pianist Pawel Checinski, assistant professor of music, will present his first recital since joining the University faculty this term at 8:30 p.m. on Friday, Oct. 22, in the Music Bldg. recital hall.

The Polish-born pianist has chosen Beethoven's Sonata #26 in E Flat Major, op. 81a, subtitled "Les Adieux"; Debussy's "Estampes"; three movements from Stravinsky's "Petrouchka"; and Sonata #3 in B Minor, op. 58 by Chopin for performance.

Mr. Checinski has won a number of prizes and competitions internationally, including a prize in the Smetana Internationar Competition in Czechoslovakia, first prize in the National Classical Music Competition in Poland in 1966, a special award in the 1970 Eighth Chopin International Competition, and the top awards at the Concert Artists Guild Annual Auditions in New York and the Concerto Competition at Temple University in 1972.

In Brazil, he won a prize at the Second International Piano Competition of Guanabara in Rio de Janiero and the Rachmaninoff Prize for the best performance of that composer's "Rhapsody on a Theme of Paganini." More recently, he won the Ravel Centennial Medal at the First Robert Casadesus International Piano Competition in Cleveland last year.

Mr. Checinski's training includes the master of arts degree with honors from the Music Academy in Warsaw in 1969 and the master's and doctor of musical arts degrees from Juilliard School of Music. He made his New York debut in 1972.

Alumni files available for offices' use

The Alumni Association maintains a computerized data base of all Penn State alumni, and its lists are available to University departments for official business use.

The file presently contains names and biographical information on 191,000 alumni. Of this number, approximately 17,000 are "lost" (no current address) and 12,000 are deceased.

The biographical data include business titles, business address, college affiliations (e.g. varsity sports, honoraries, and fraternities), degree data (includes month and year of degree, type of degree, curriculum, college, and campus). The Alumni Association does not actively solicit occupational data. Therefore, this information is only as complete and accurate as volunteered by the alumni.

Information on file is not to be used for political or commercial purposes. Each department is responsible to ensure that the lists and/or labels are used for official University needs. Charges for the data may be paid by IDT. The lists can be provided in various formats, depending on the type of information desired.

Lists and labels can be sorted alphabetically, by class, by college, by curriculum, or by zip code. Two types of labels are available — avery labels which are self-adhesive and must be affixed to the mailing piece manually, or cheshire labels, which must be affixed by a special machine available through Addressing Services. Generally, avery labels are used only for mailings of 1,000 or less.

There is a minimum time of one week required to provide the list or labels after they have been ordered. Lists are available in multiple copies up to a maximum of four. For additional information regarding the availability and cost of alumni data, please call Dwight Huster at the Alumni Association (865-6516).

New briefs

(Continued from page one)

Photo cards available

Faculty and staff members are reminded that they may have their photograph taken and laminated to their new faculty-staff identification card. This service is provided at the Employee Benefits Division, Room 133 Willard Bldg., Monday through Friday between 8 a.m. and noon and from 1 to 4:30 p.m. A charge of 50 cents is made to cover the cost of materials. The identification card must be signed by the faculty/staff member and the dean/administrative officer before it can be processed.

University auction Oct. 23

There will be a public auction starting at 10 a.m. on Saturday, Oct. 23, at the University's Salvage and Surplus Warehouse. Twenty fleet automobiles will be sold, as well as such office equipment as IBM electric typewriters and desks.

Duffie is Taylor speaker

An internationally known authority on solar energy, Dr. John A. Duffie, will deliver the 1976 Nelson W. Taylor Lectures in Materials Science at the University on Wednesday and Thursday, Oct. 27 and 28.

He will discuss "The Prospects for Solar Heating in the United States" at 4 p.m. on Oct. 27 and "Keys to Solar Energy Applications: Materials, Performance and Costs" at 4 p.m. on Oct. 28. Both lectures will be in Room 112 Kern Bldg.

Dr. Duffie first became involved in solar energy research more than 20 years ago. He has headed the Solar Energy Research Laboratory at the University of Wisconsin since 1956 and has been associate dean of that university's graduate school since 1965. He is the co-author of the book, "Solar Energy Thermal Processes," published in 1974, and served as co-editor of and contributor to another book, "Solar Energy Research," published in 1955.

The Taylor lectures honor the memory of Nelson W. Taylor who served as professor and head of the then Department of Ceramics at Penn State from 1933 to 1943. After his death in 1965, his widow established the Nelson W. Taylor Memorial Fund to provide, in part, for the lecture series.

UN Day forum

In conjunction with United Nations' Day, a forum has been organized on the topic: "The withdrawal of the United States from the United Nations would improve the international reputation of the United States and avert the growing instability of the international system." The program will be held at 7:30 p.m. on Sunday, Oct. 24, in the main lounge of the HUB. Discussants include Dr. Elton Atwater, professor of political science; Dr. Vernon V. Aspaturian, Evan Pugh Professor of political science; Dr. George Brandow, professor of agricultural economics; and Dr. William Dunker, associate professor of history. Dr. Kent Forster, professor and head of the Department of History, will serve as moderator.

Kalfway to United Fund goal

Penn State's employees have contributed $46,487 to the Centre County United Way campaign, or about 53 percent of the University goal of $87,000, according to Ray Fortunato, University campaign chairman.

"The response from University employees to the United Way looks very encouraging at this point in the campaign," Mr. Fortunato reports.

The $46,487 contributed thus far reflects an increase of about $7,600 or 16 percent more than last year's University campaign at this date.

Mr. Fortunato points out that there are two factors responsible for the increase in the University campaign. He said that many previous givers are increasing their gifts this year, and 90 new contributors have given $3,630.

"At the outset of the campaign, we said we hoped to broaden the base of support for the United Way. The addition of 90 new givers this year shows that we are heading in the right direction," Mr. Fortunato says.

Overall, the United Way campaign throughout the county has reached the halfway point in the drive to raise $275,000 to benefit 25 human service agencies.

160 Scholars now enrolled

More than 160 undergraduate students recognized as Penn State Scholars are now enrolled at the University.

The Penn State Scholars Program, initiated in 1975, is designed to recognize and encourage the excellent academic scholarship records and achievements of Pennsylvania high school students.

According to Dr. Robert E. Dunham, vice president for undergraduate studies, 345 of the 575 high school juniors who visited the University Park Campus in April 1975 as part of the scholars' program applied for and were offered admission to the University.

Of that number, Dr. Dunham said, 160 students accepted and are attending the University. Included are 124 students enrolled at the University Park Campus and 38 at the Commonwealth Campuses.

Fourteen of the scholars received full tuition, four-year scholarships on the basis of a competitive examination.

Dr. Dunham said admission figures show that the largest number of the scholars, 50, are enrolled in the College of Science, while 40 are enrolled in the College of Engineering.

Noting that a major objective of the program is to reward and encourage high academic achievement in Pennsylvania high schools and at Penn State, President Oswald said:

"We are extremely pleased that so many outstanding Pennsylvania students have enrolled at Penn State. We want to continually encourage high academic achievement and help students strive toward excellence."

Participants in the Penn State Scholars Program are nominated by their high school principals as the top academic students in the junior class of their respective schools.

During a weekend visit to the University Park Campus, they have the opportunity to experience college life, find out how Penn State is suited to their needs and interests, and compete for one of 30 full-tuition, four-year scholarships. All participants receive special recognition, including an early offer of admission to the University.

Staff vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (telework line 475-4387). Applications for these staff vacancies will be accepted until **5 p.m., Oct. 28, 1976. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

BUSINESS MANAGER — Ogontz Campus

Responsible to the Campus Director for University business matters on the Ogontz Campus, including the maintenance and operation of buildings and grounds; coordination with the Office of Personal Administration, Office of Physical Plant, Department of Purchases, Budget Operations, etc.; coordination of Physical Plant activities; operation of auxiliary enterprises; parking programs; security; campus guard service and US Post Office branch. Bachelor's degree in a field such as business administration, or equivalent organized study or training, plus over four years and up to and including six years of directly related experience in building construction and alteration, purchasing, personnel, etc., with a supervisory background.

ASSISTANT TO THE HOSPITAL DIRECTOR — Hershey

Responsible to the Hospital Director for coordinating and assisting in the development of the following programs: long- and short-range planning, management indicators, training and development, patient relations, and other programs as assigned. Master's degree or equivalent in hospital administration or planning; two to four years of directly related experience in the health care or related industry.

APPLICATIONS/PROGRAMMER ANALYST, MANAGEMENT SERVICES — University Park

Responsible for conducting analyses of data processing problems, determining detailed requirements to solve problems, formulating logical statements of systems problems, preparing detailed design specifications and preparing computer programs. Bachelor's degree, or equivalent, in basic computer systems and one to two years of directly related experience in computer programming and analysis is required. Experience in student systems is desirable.

WRITER-EDITOR, COLLEGE OF AGRICULTURE — University Park

Full-time position available through April 15, 1978, while staff member is on leave. Responsible for editing, specifications, proofreading, and processing of publications and newsletters. Handle creative writing projects. Bachelor's degree or equivalent in some area of communications, preferably agricultural journalism, plus one to two years of directly related experience in writing, editing, and publications work is required.

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Exam policies are clarified

In response to a number of complaints received at the University Faculty Senate office about non-compliance with two recently established changes in examination policy, Dr. John J. Coyle, Senate president, has drafted the following explanation:

"First, there is a new requirement that final (end of term) written tests be given in undergraduate classes (including 400-level courses) during the final exam period. Essentially what this means is that no examinations except quizzes and very limited scope tests are to be given during the tenth week and that all undergraduate courses shall give a final test except where a viable alternative, e.g., term paper, final project report, take-home exam, is used in place of the final examination. If an alternative to the final exam is used, it is not required that the alternative be submitted earlier than the first day of the exam period except under special authorization.

"Some faculty members have been interpreting the above new policy to mean that if the finel is not comprehensive then it can be given during the tenth week, which is not correct. The legislation requires a final test (not necessarily comprehensive) except as indicated above (a viable alternative) and that all final tests (except quizzes) be given during the examination period. (For further information see Section 44-00 and 45-00, 'Academic Policies and Procedures for Undergraduate Students'.)

"The second change which has been subjected to several interpretations is the new requirement that faculty members are to inform students in all classes during the first ten days of the term about exam procedures. This does not mean that an explicit schedule of exam dates has to be provided. However, it does mean that students are to be informed how many tests will be given, the nature of the exams (quizzes, period exams, etc.), the weight of the exams in final grades, and other factors influencing their grades. Related to this change is a requirement that each course have on file in the instructor's office a copy of the examination procedures."

News in brief

53,363 enrolled

Resident instruction enrollment for the fall term at Penn State totals 53,363, a gain of 367 over a year ago, according to Dr. Robert E. Dunham, vice president for undergraduate studies.

The final tabulation shows 31,777 students at the University Park Campus; 16,699 at the Commonwealth Campuses; 1,646 at Behrend College; 321 at the King of Prussia Graduate Center; 479 at the Milton S. Hershey Medical Center; and 2,471 at Capitol Campus.

Included in the enrollment figures are 36,991 candidates for baccalaureate degrees; 3,750 for associate degrees; 7,070 graduate and medical students; and 3,552 adjunct students.

Review UNICARE deductions

Faculty and staff members of the University should periodically review the deduction being taken for their group health insurance (UNICARE) to be certain that they are paying for the correct coverage.

The reason the review should be made is that changes in family status may affect your costs and your coverage. For example, when you get married, when you have a first child, or when your spouse stops working for the University, you run the risk of having inadequate dependent coverage unless you do something about it.

You should check your coverage if any of the following circumstances arise:

1. Your spouse or child begins working for the University as a regular employee.
2. Your spouse or only child dies.
3. You are divorced.
4. Your only dependent child enters military service or reaches age 19 (or 23 in the case of a full-time student).
5. Your only dependent child gets married.
6. Your spouse reaches age 65.

How do you know if you have the right coverage or are paying the right amount? Compare the amounts shown on your salary check stub with the amount you should be paying as shown in the following table:

Insured Persons	Monthly	Bi-weekly
Employee only	None	None
Employee, child, children	$1.75	$0.80
Employee, spouse	$3.60	$1.66
Employee, spouse, child or children	$5.00	$2.30

(These rates apply when all insured persons are under age 65. Persons over age 65 are insured in a different plan at no cost.)

If a change should be made, call, write, or visit the Employee Benefits Division, Room 133 Willard Bldg., 865-1473. Faculty and staff members at locations away from University Park may receive assistance by contacting their Personnel Officer or Business Manager.

The University has no way of knowing whether a change should be made, so it is the employee's responsibility to keep the records up to date and accurate. No refunds for overpayment will be made unless it is shown the University was in error.

Latin theatre symposium

More than 100 playwrights, actors, critics and academicians will examine 20th century Latin American theatre at a symposium at University Park sponsored by the Institute for the Arts and Humanistic Studies and Las Americas Publishing Co.

The highlights of the symposium, which begins today (Thursday), will be the debut of "The Cradle of the Hero" by Alfredo Dias Gomes, the leading contemporary Brazilian playwright who is in residence at Penn State this term. The play will be performed by the Department of Theatre and Film at 8 p.m. Saturday as the finale to the symposium. (Other performance dates are listed in the weekly calendar.)

The symposium is being conducted by the Department of Spanish, Italian and Portuguese, with Prof. Leon F. Lyday III serving as coordinator.

Club offers shore buffet

The Faculty Club will offer members a Shore Buffet Dinner from 5:30 to 8 p.m. on Friday, Oct. 29. For reservations, call 865-1982.

Halloween at the HUB

Halloween provides the occasion for the HUB Terrace Room's Candlelight Dinners Friday and Saturday, Oct. 29-30. The menu includes chicken cacciatore, prime ribs of beef, flounder stuffed with crabmeat, grilled chopped steaks with fresh mushrooms, veal bratsed in wine sauce and ham steak with spiced crabapples. There will be entertainment plus a hospitality table.

Asian Studies conference

The fifth annual meeting of the Mid-Atlantic Region of the Association for Asian Studies will be held here at the University, Saturday and Sunday, Oct. 30-31. Penn State faculty interested in attending may register Saturday from 6:30 a.m. to 5 p.m. at the Keller Conference Center.

Penn State historians who will participate include associate professor Mark Peattie, who will discuss the 1940-41 Japanese occupation of French Indochina, and Prof. Robert Maddox and associate professor William J. Duiker III, who will discuss the American and Vietnamese responses to that occupation.

Dr. Robert LaPorte Jr., professor of public administration, will be a discussent on the topic, "A Comparative Analysis of Attitudes Toward Democracy Among Bureaucrats in the Developing Nations." Dr. Parris Chang, professor of political science, will be a panelist discussing "East Asian Communist Leaders and Their Nationat Traits."

Dr. Natalie Isser, associate professor of history at Ogontz, will speak on, "Have They Painted Dick and Jane Yellow Yet? 1890-1920." Dr. Lita L. Schwartz, professor of educational psychology at Ogontz, will cover the same topic for 1965-75.

Dr. Duiker is secretary for the Mid-Atlantic Region; Drs. Chang and Peattie are on the association's advisory council. Dr. Peattie also served on the program committee. The local arrangements committee included Dr. Duiker, Dr. LaPorte, Dr. Stanley Kochanek, professor of political science, and Dr. E-tu Zen Sun, professor of Chinese history, who chaired the group.

Tax ramifications of 1976 Act on faculty members analyzed

Editor's Note: The following article on the 1976 Tax Reform Act was written for INTERCOM by Dr. Bart A. Basi, assistant professor of accounting. Dr. Basi, a certified public accountant, received his J.D. degree in 1969 from the University of Louisville School of Law. He holds an M.B.A. from Syracuse University and a D.B.A. from Indiana University. In 1973, he was appointed to the editorial board of the Accounting Review.

The Tax Reform Act of 1976 which has been signed into law by the President of the United States, has many ramifications for University-related individuals. This report is written to inform University faculty members about two specific sections of the reforms now in effect. The sections that are covered concern themselves with deductions attributable to business use of homes and deductions for attending conventions in foreign countries. Please be advised that any statements contained in this report are not intended as legal or tax advice.

Anyone who is involved in matters of this nature should seek competent legal and/or tax advice to properly understand and implement the provisions of the Act.

1. Business Use of Home: Prior to the Tax Reform Act of 1976, many faculty members who maintained a place in their residence wherein they conducted University-related work on research projects and/or teaching allocated a portion of the total expenses of their home to these endeavors. As such, the allocated expenses were deductible. The tax law is very clear in disallowing expenses in connection with the business use of the home. Generally, the law states that effective Jan. 1, 1976, taxpayers are no longer allowed to deduct any expenses that they incur as a result of using their homes for business purposes — i.e., working on University-related matters which are a normal part of their work load (such as preparing for classes, course outlines, research connected with their area of expertise and/or the writing of publications).

There are, however, a couple of specific exceptions to the general rule. These exceptions could permit the continued deduction of a portion of the expenses of a home that are attributable to a business if the following conditions are met:

(1) The portion of the home that is used for business purposes is used exclusively for business purposes. That is, if the individual faculty member has a den at home that he or she uses occesionally to prepare income tax returns or class lectures or to do some work on research projects, and the rest of the family also has occasion to use the den for personal uses, the "exclusive" rule would not be met. The portion of the home that is used for business purposes (under this exception) must be used solely for a business function.

(2) A second exception is if there is a place of business that is used by the clients or customers of the taxpayer wherein they would meet and conduct business transactions in the normal course of their business activities. This, however, implies that the use of a place of business must be regular and not occasional; that it must be on a continuing basis that the taxpayer actualy meets and deals with his or her clients. The occasional or incidental use of a home, even though it is referred to as a place of business by the faculty member, would not be deductible. Thus, in order to qualify under this exception, a faculty member would have to state that it is normal for clients and business associates to meet and discuss their business at his or her home office and not at a University office.

With relerence to the specific situation effecting Penn State faculty (since the University does have offices available to faculty and, to my knowledge, all faculty have free and easy access to their offices at any time of the day or night), there is no need to have a separate office in your home to meet students, do research and prepare for classes. Thus, it will be very difficult for a faculty member to come under this second exception.

(3) In addition, even it a taxpayer meets one of the above exceptions, the actual use of the home office must be for the convenience of the employer, not for the convenience of the employee. As this pertains to Penn State faculty, it is rather difficult to think of a situation wherein the use of a home office would be for the convenience of Penn State University, and not for the convenience of the individual faculty member, i.e., taxpayer. Thus, even if a portion of a home could be claimed

(Continued on page two)

PENN STATE COLLECTION

Faculty notes

Dr. Parris Chang, professor of political science, presented a lecture on "China's Current Leadership Crisis" at the Netherlands Institute for International Affairs at The Hague on Oct. 12. He also took part in the Research Conference on Strategic Decision Analysis at Bad Selzuflen, Germany, Oct. 3-10. The conference was sponsored by the Association for the Advancement of Systems Analysis of Arms Control of the University of Bielefeld.

Dr. Joseph Jordan, professor of chemistry, recently presented invited seminars at the University of Wisconsin, Madison, on "Bioelectrochemical Modelling of Hemoproteins" and et the University of Wisconsin, Milwaukee, and at Colorado State University, Ft. Collins, on "Enthalpimetric Analysis and Immunological Thermochemistry."

Dr. Roiend Fleischer, professor of art history, is the author of an article in the current issue of Oud Holland, a quarterly journel published by the Netherlands Institute for Art History, on his discovery of the repainting of a portion of a 17th century work. The article is titled "An Altered Painting by Pieter de Hooch."

Dr. Jean E. Brenchley, associate professor of microbiology, this week presented a seminar, "Control of Nitrogen Utilization in Microorganisms," at Purdue University.

Dr. Robert Lima, professor of Spanish and comparative literature, lectured recently in Chiclayo, Peru, at the Instituto Cultural Peruano-Norteamericano on American literature. His subject was "The Metophysical Tradition in American Literature." In Peru on a Fulbright as poet-in-residence at the Universidad de San Marcos and as visiting professor of comparative literature at the Pontificia Universidad Catolica. Dr. Lima has been invited by the U.S. Embassy to present a series of lectures throughout the provinces. In November the Universidad de San Marcos will sponsor a series of four lectures by Dr. Lima on the life and works of Ramon del Valle-Inclan.

Dr. Frank Clemente, associate professor, and **Dr. William J. Sauer,** assistant professor, both of the Department of Sociology, co-authored "Racial Differences in Life Satisfaction," an article appearing in the September Issue of the Journal of Black Studies.



Porter's prizewinning design.

Stephen Porter, assistant professor of art, has been commissioned through a national invitational competition to create a sculpture for the Centertown Plaza Development in Elmira, N.Y. Selected from over 100 entries by a jury of ten citizens of the Corning/Elmira area who are active in the arts, the stainless steel sculpture will be placed in the pedestrian mall near the Mark Twain Bldg. as part of the city's urban renewal. The dimensions of the piece, to be installed in 1977, will be approximately 12 x 5 x 5'.

Dr. Henry S. Albinski, professor of political science, delivered an invited paper, "Organized Politics and Political Temper: Predisposing Factors and Outcomes," at an International Bicentennial conference held Oct. 14-16 at Duke University on the theme of The Impact of The Revolutionary Experience on the United States Compared with the Development of Canada by Evolution. The symposium was sponsored by Duke's Canadian Studies Center. Dr. Albinski's paper emphasized the growth, salience, roles, style and appeal, and systematic outcome implications of the Canadian and American political party systems.

Two assistant professors of psychology have published professional articles. **Dr. James L. Farr** wrote "Task Characteristics, Reward Contingency, and Intrinsic Motivation" and "Incentive Schedules, Productivity, and Satisfaction in Work Groups: A Laboratory Study," both published in Organizational Behavior and Human Performance. **Dr. Richard J. Ravizza** is the author of "Our Present Understanding of the Anatomy and Physiology of Hearing Mechanisms," published in Contemporary Psychology.

Dr. Don A. Trumbo, professor of psychology, co-authored the article, "Scaling Estimates of Amplitude for Movements without Visual Guidance," in the Journal of Motor Behavior.

C. Herbert Wheeler Jr., professor of architectural engineering, spoke to the annual convention of the Florida Association of the American Institute of Architects in Sarasota earlier this month. Prof. Wheeler, who conducted two seminars for the same group last winter, was invited back to deliver an illustrated presentation showing new developments in graphic documentation systems used to build modern buildings.

Three University faculty members participated in the Fifth Mushroom Conference sponsored by the American Mushroom Institute recently at the Downingtown Motor Inn. **Dr. Lee C. Schisler**, professor of plant pathology, presided over an afternoon session dealing with Cultural Aspects of Mushroom Growing and led a discussion section on Phase I and II of Composting. In the same session, **Dr. Morris E. Schrader,** professor of agricultural engineering, led a discussion section on Air Conditioning and Mechanization. An all-day session on the Economics of Growing Mushrooms Around the World was chaired by **Dr. Leon R. Kneebone**, professor of botany and plant pathology.

Dr. Roy A. Olofson, professor of chemistry, presented a lecture with a historical film and slides as part of the Priestley Laboratory Restoration Ceremonies sponsored by the American Chemical Society Oct. 12.

The ceremony, held at Bucknell University in Lewisburg and at the Priestley House in nearby Northumberland, marked the restoration of a laboratory in the home of Joseph Priestley, whose discovery of oxygen in 1774 is regarded as the beginning of modern chemistry.

Once preserved and maintained by Penn State, the property is now held by the Pennsylvania Historical and Museum Commission.

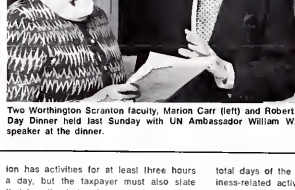
Restoration of the laboratory was undertaken by the ACS to celebrate its centennial. Dr. Olofson's lecture and film, "Pilgrimage to Northumberland, 1926," recalled the society's jubilee celebration there 50 years ago.

Appointments

Lawrence D. Muller es associate professor of dairy science. B.S. and M.S., U. of Illinois; Ph.D., Purdue U. Formerly associate professor at South Dakota State U.

Toshio Sakurai as assistant professor of physics. B.S. and M.S., U. of Tokyo; Ph.D., Penn State. Formerly with Bell Telephone Laboratories.

Darwin O. Sawyer as assistant professor of social science methods. B.A., U. of Washington; M.A and Ph.D., U. of Chicago. Former research associate at U. of Chicago.



Two Worthington Scranton faculty, Marion Carr (left) and Robert Naismith (right) plan UN Day Dinner held last Sunday with UN Ambassador William W. Scranton, the principal speaker at the dinner.

Tax law

(Continued from page one)

to be set aside exclusively to be used on a regular basis as a principal place of business or that the place of business is regularly used for clients for the conducting of business with the taxpayer, it would also have to be shown by the faculty member that the use of such business residence was for the convenience of the employer.

It is obvious from the above that the implementation of the new law clearly will eliminate the use of a portion of a home as a deduction for most faculty members employed by Penn State. The old rules regarding the actual use of a home office for a portion of the time are no longer allowable. The new rules are effective for 1976.

One further note should be made with regard to those faculty members who still feel they qualify under one of the above exceptions: the law also states that there is an overall limit on the amount of the expenses which taxpayers can deduct even if they do qualify for allocating a portion of their homes to a business use. The law states that the allowable expenses that are attributable to the business use of a home cannot exceed the gross income derived from use in the home. Thus, if faculty members cannot specifically identify what amount of income they have earned as a result of using their home offices, they would be barred from taking any deductions. On the other hand, if they can allocate $3,000 of their total income, as being directly related to the use of the home office, then they would be able to deduct up to a total of $3,000 in expenses.

The law does allow taxpayers to use a portion of their homes as their place of business, if such individuals are in fact conducting a business separate from their employment at Penn State and the principal place of such business is located in their homes. While the law disallows expenses wherein a portion of a home is used by an employee in an employer/employee relationship, it may not affect a situation where individuals are in business for themselves and use a portion of their homes as the principal location of their businesses, regardless of whether they are an individual proprietor, partner or corporate official.

2. Expenses of Attending Conventions in Foreign Countries. The Tax Reform Act of 1976 states that no deduction is allowable for expenses paid or incurred by a taxpayer for attending more than two conventions outside of the United States, its possessions or the trust territory of the Pacific. The law not only states that you are not allowed to deduct expenses incurred in attending more than two meetings, it also goes on to state that this includes not just conventions, but seminars or any kind of similar meetings that are held in a foreign country.

With respect to the amount of expenses and the nature of such expenses that are deductable, the law states that no deduction is allowable unless the following requirements are met:

(1) A full-day or a half-day (half-day being at least 3 hours) of business activities are scheduled each day a claim is made that the taxpayer attended a seminar or convention; and

(2) The taxpayer states that at least two-thirds of the total hours of scheduled business activities of the convention were actually attended by the taxpayer. In other words, it is not enough that the convention has activities for at least three hours a day, but the taxpayer must also state that he attended at least two-thirds of the actual meetings.

The law states that any taxpayer who attempts to claim an expense deduction of this nature must submit a signed statement from the convention that sets forth the days and the number of hours spent in attendance. Such a statement must be signed by the organization sponsoring the convention. In addition, there is also a requirement that states that a record must be kept by the organization which is sponsoring the convention to verify any future query that the IRS may make. In no event may time spent at any social function or party be counted as a business activity. In cases where a lecture follows a banquet and could be added to the total amount of time spent in the business function, any time spent enjoying the dinner is not to be included in the total amount of time listed as being spent in business-related activities at the convention.

The law also states that wherever subsistence expenses are allowed, the deduction shall not exceed the per-diem rate established by the United States Civil Service under Section 5702A of Title 5 of the United States Code that is in effect for the calendar month when the convention begins. Expenses for this purpose include lodging, meals and other necessary expenses, including tips, taxis and local transportation expenses. In no case will an expense deduction be allowed that exceeds what is presently allowed for government workers.

With regard to the deduction of transportation expenses, the law states that the total expense of transportation to and from the site of the seminars or convention is allowable only if one-half or more of the total days of the trip are devoted to business-related activities. Thus, if less than one-half of the total days involved in the trip are devoted to business-related activities, then only a proportionate amount of the transportation expenses would be deductible. But if at least one-half of the total days of the trip are devoted to business-related activities, the entire cost of the transportation to and from the convention would be deductible and no allocation would be necessary. In determining the total number of days in the trip, the actual days of traveling to and from the site of the convention cannot be taken into consideration. One final note: the law says that if the transportation expenses are not stated separately, they will be considered together in the same fashion with subsistence expenses.

Concluding Remarks: From the above, it can be stated that the Tax Reform Act of 1976, as it reflects changes in the use of a portion of a home for business purposes and travel to conventions and seminars held in foreign countries, has become very, very specific in regard to what is required in order for deductions to occur. While it is too early to tell whether these restrictions and requirements will be altered by court interpretations or IRS regulations, it is not too early to state that the Tax Reform Act of 1976 is considered to be one of the most significant tax changes since the 1969 Act and one of the most specific laws that we have had passed with regard to the Internal Revenue Code. All taxpayers should be forewarned that they should be very cautious in attempting to claim any deductions if they cannot provide sufficient information to verify the purpose of the deduction as well as the actual expenditure of such deduction.

University Park Calendar

October 28 — November 7

Items to be included in this calendar should be sent to the Calender Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special events

Thursday, Oct. 28

FSHA 410 dinner, "An Irish Country Meal," 5:30 p.m., Maple Room. Reservations: 865-7441.

GSA Halloween party, 6:30 p.m., Kern Bldg.

University Theatre, "Cradle of the Hero," 8 p.m., Playhouse Theatre.

Behrend Players, "When You Comin' Back, Red Ryder?" 8 p.m., Behrend College Studio Theatre.

Spanish Department, "The Theatre of Latin America: A Symposium," 8 p.m., Room 112 Kern.

Friday, Oct. 29

Sports: Junior varsity football, vs. Indiana (Pa.), 2 p.m.; soccer, vs. Shippensburg, 7 p.m.

Halloween Candlelight Dinner, Terrace Room, 4:45-7 p.m., HUB.

Spanish Department Symposium, 7:30 p.m., Room 112 Kern.

University Theatre, "Cradle of the Hero," 8 p.m., Playhouse Theatre

Behrend Players, "When You Comin' Back, Red Ryder?" 8 p.m., Behrend College Studio Theatre.

Ghoulies and Beasties and Things That Go Bump in the Night," 8 p.m., Shaver's Creek Nature Center, Stone Valley.

GSA Coffeehouse, 8 p.m., Room 102 Kern.

Artists Series, Pilobolus Dance Theatre, 3 p.m. and 8:30 p.m., University Auditorium.

Penn State Wind Ensemble and Penn State Brass Chorale, 8:30 p.m., Music Bldg. recital hall.

Free U. Disco Dance, 9 p.m., HUB ballroom.

Penn State Outing Club Overnight on Mt. Nittany.

Saturday, Oct. 30

Spanish Department Symposium, 8 a.m., Room 112 Kern.

Sports: Women's field hockey, vs. Ursinus, 1:30 p.m.

Halloween Candlelight Dinner, Terrace Room, 4:45-7 p.m., HUB.

University Theatre, "Cradle of the Hero," 8 p.m., Playhouse Theatre.

Behrend Players, "When You Comin' Back, Red Ryder?" 8 p.m., Behrend College Studio Theatre.

Sunday, Oct. 31

Chapel Service, 11 a.m., Eisenhower Chapel. Theodore J. Weeden, St. Bernard Seminary, Rochester.

Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Pastor Gerald G. Loyd.

Penn State Outing Club, wild cranberry hunting Rosecrans Bog and Mt. Logan Natural Areas, 9 a.m.

Tuesday, Nov. 2

Alpha Phi Omega Bloodmobile, 10 a.m.-4 p.m., HUB ballroom.

Comp Lit Luncheon, 12:15 p.m., Faculty Club. Jane Weintraub, English, on "The Valuable Art of Writing: Letters from the Men In the Oval Office to Their Young Constituents."

University Theatre, "Cradle of the Hero," 8 p.m., Playhouse Theatre.

Wednesday, Nov. 3

Alpha Phi Omega Bloodmobile, 10 a.m.-4 p.m., HUB ballroom.

FSHA 410 dinner, "Pennsylvania Dutch Meal," 5:30 p.m., Maple Room. Reservations: 865-7441.

University Theatre, "Cradle of the Hero," 8 p.m., Playhouse Theatre.

GSA Photography Workshop, 8 p.m., Room 101 Kern.

Behrend Players, "When You Comin' Back, Red Ryder?" 8 p.m., Behrend College Studio Theatre.

Thursday, Nov. 4

FSHA 410 dinner, "Contemporary Russian," 5:30 p.m., Maple Room. Reservations: 865-7441.

University Theatre, "Cradle of the Hero," 8 p.m., Playhouse Theatre.

Behrend Players, "When You Comin' Back, Red Ryder?" 8 p.m., Behrend College Studio Theatre

Friday, Nov. 5

Sports: Junior Varsity Football, vs. Milford Academy, 2 p.m.

University Theatre, "Cradle of the Hero," 8 p.m., Playhouse Theatre.

GSA Coffeehouse, 8 p.m., Room 102 Kern.

Behrend Players, "When You Comin' Back, Red Ryder?" 8 p.m., Behrend College Studio Theatre.

Saturday, Nov. 6

Sports: Football, vs. North Carolina State, 1:30 p.m.; women's cross country, Region II Championships; women's field hockey, vs. West Chester, 1 p.m.

Un-Common Dinner Theatre, dinner, 6:30 p.m., Room 101 Kern; performance, 8 p.m., Room 112 Kern.

Shavers Creek Nature Center, An Evening of Star Gazing, 8 p.m., Stone Valley.

University Theatre, "Cradle of the Hero," 8 p.m., Playhouse Theatre.

Behrend Players, "When You Comin' Back, Red Ryder?" 8 p.m., Behrend College Studio Theatre.

PSU Symphony Orchestra, 8:30 p.m., University Auditorium.

Sunday, Nov. 7

PSOC Hiking Division, Exploration In Little Juniata Natural Area, 9 a.m.

Chapel Service, 11 a.m., Music Bldg. recital hall. Raymond O. Murphy, vice-president, Student Affairs.

Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Rev. Hugh Brooks, State College.

Un-Common Dinner Theatre, dinner, 6:30 p.m., Room 101 Kern; performance 8 p.m., Room 112 Kern.

Seminars

Thursday, Oct. 28

Agronomy, 8:15 a.m., Room 309 Tyson. G. Lambert, "Influence of Soil Conditions on Endogenous Mycorrhizae Infection."

Chemistry, 12:45 p.m., Room 333 Whitmore. Thomas J. Katz, Columbia University, on "New Developments in Carbocyclic Chemistry."

Anthropology, 3:30 p.m., Room 107 Carpenter. Anthony Boyce, Oxford University, on "Karkar Island, Papua New Guinea — A Study of Migration and Genetic Diversity."

Physics, 3:50 p.m., Room 117 Osmond. C. Pines, University of Illinois, on "Inside Neutron Stars."

Microbiology and Cell Biology, 3:55 p.m., Room 52 Freer. Gray A. Wilson, University of Rochester School of Medicine and Dentistry, on "Transformation of 'E. coli' and 'B. Subtilis' with Foreign Cloned DNA."

Meteorology, 4 p.m., Room 26 Mineral Sciences. Dr. S. Manabe, Princeton University, on "Simulation of Ice-Age Climate by Mathematical Models."

Friday, Oct. 29

Surface Science, 11:10 a.m., Room 339 Davey. G. A. Stewart, University of Pittsburgh, on "Experimental Studies of Phase Transitions in Adsorbed Noble Gases."

Analytical Chemistry, 11 a.m., Room 333 Whitmore. Joseph J. Dulka on "Determination of Trace Metals and Their Uptake by Bacteria."

History, 3 p.m., Room 124 Sparks. Dr. Marius B. Jansen, Japanese Literature, Princeton University, on "How the Japanese See China."

Monday, Nov. 1

ARL Technical, 3:45 p.m., Eric A. Walker Conference Room, Applied Science Bldg. J. L. Lumley, aerospace engineering, on "Large Eddy Structure in the Wall Region of Turbulent Boundary Layers."

Biochemistry, 3:55 p.m., Room 101 Althouse. Dr. David Bundle, National Research Council (Canada), on "Blood Group Glycoproteins and Glycolipids."

Science, 3:55 p.m., Room 108 Tyson. Dr. Jean MacCluer, biology, on "Some Techniques for Detecting Selection in Man."

Organic Chemistry, 8 p.m., Room 333 Whitmore. Dr. George Field, Hoffman-La Roche, on "Synthesis of d-Biotin."

Tuesday, Nov. 2

Urbanization, 9:35 a.m., Room 316 Sackett. Robert M. DesMarais, "Arts, Architecture and Forms of the 19th Century."

Biochemistry, 11:10 a.m., Room 101 Althouse. Dr. David Bundle, NRC (Canada), on "Synthetic Carbohydrate Antigens: New Techniques and Applications."

Food Science, 11:10 a.m., Room 202 Borland. Dr. Helen A. Guthrie, nutrition, on "Human Nutrition and Food Science."

Air Pollution Control, 2:20 p.m., Room 140 Fenske. Noel H. Wagner, Pennsylvania Power and Light, Allentown, on "Fabric Filters."

HPER, 3 p.m., Room 101 Kern. Dr. Paavo Komi, visiting professor of biomechanics, on "Recent Developments in Human Muscle Research with Implications for Sport."

Engineering Science and Mechanics, 4 p.m., Room 206 Hammond. Wayne E. Nickols, Bureau of Research and Contract Services, Photoelastic, Inc., on "Experimental Mechanics — Theory Put to Work."

Wednesday, Nov. 3

Fuel Science, 4 p.m., Room 301 Mineral Industries. Prof. Frank M. Tiller, chemical engineering, University of Houston, on "Solid-Liquid Separation Operations in Solvent-Refined Coal Processes."

Inorganic Chemistry, 8 p.m., Room 333 Whitmore. Prof. John Burmeister, University of Delaware, on "Ambidentate Liquids — Schizophrenics of Coordination Chemistry."

Thursday, Nov. 4

Agronomy, 8:15 a.m., Room 309 Tyson. G. Mellish, "Influence of Continuous Soil Warming on Winter Survival, Carbohydrate Reserves, and In Vitro' Dry Matter Disappearance of Some Common Grasses and Alfalfa."

Chemistry, 12:45 p.m., Room 333 Whitmore. Frank H Stellinger, Bell Labs, on "Molecular Recognition and Self-Organization in Fluorinated Hydrocarbons."

Physics, 3:50 p.m., Room 117 Osmond. Jon T. Hougen, National Bureau of Standards, Washington, D.C., on "Calculation of Vibration Level Populations in Multiphoton Absorption Processes."

Bioengineering, 4 p.m., Room 132 EEE. Jerry Miller, "Equivalent Circuit for a Sac-Type Artificial Ventricle and Mock Circulatory System."

Meteorology, 4 p.m., Room 26 Mineral Sciences. Otto Zeman, aerospace engineering, on "Boundary Layer Relaxation."

Acoustics, 4 p.m., Room 10 Sparks. "Is Music Noise?" TV Instructional film by the Open University, Great Britain. Introduced by Geoffrey L. Wilson, ARL, and Gordon B. Blenvenue, Environmental Acoustics Lab.

Friday, Nov. 5

Analytical Chemistry, 11 a.m., Room 333 Whitmore. Professor F. Bruner, Italian National Research Council, Rome, on "Evaluation of Air Pollution by Gas Chromatography."

Surface Science, 11:10 a.m., Room 339 Davey. L. Passell, Brookhaven, on "Looking at Adsorbed Gases with Neutrons."

HPER, 4 p.m., Room 101 Kern. Dr. John Robinson, Director of Communication Research Center, Cleveland State University, on "Free Time in America: Quantity versus Quality."

Statistics, 4 p.m., Room 271 Willard. Henry Braun, Princeton University, on "Polynominal Bounds for Probability Generating Functions."

Lectures

Thursday, Oct. 28

Prof. D. Pines, physicist, University of Illinois, on "Building e World Scientific Community: Science Exchenge with the Peoples Republic of China and the Soviet Union." Sponsored by the Dept. of Physics and Committee on International Programs.

Nelson W. Taylor Lectures in Materials Science, 4 p.m., Room 112 Kern. Dr. John A. Dutlie, director of Solar Energy Lab. and associate dean of the Graduate School, University of Wisconsin-Madison, on "Keys to Solar Energy Applications: Materials, Performance and Costs."

Tuesday, Nov. 2

Alfredo Dies Gomes, author, on "Oberco do Heroi" ("The Cradle of the Hero"), 7:30 p.m., Rare Books Room, W. Pattee.

Thursday, Nov. 4

R. W. Stone Lecture Series, 4 p.m., Room 101 Allhouse. Boris Mogasenik, biology, MIT, on "Regulation of Bacterlel Nitrogen Assimilation by Glutamine Synthetase."

University schedule

Monday, Nov. 1

Last day for signing fall term NDSL and University Long Term Loans, Room 108 Shields.

Late drop deadline.

Last date for a prospective graduate student to submit completed application materials for admission to the winter term 1977.

Last date for a graduate student to apply for permission to resume study in the winter term 1977.

Meetings

Sunday, Oct. 31

Interlandia Folk Dancing, 7:30 p.m., small gym, White.

Monday, Nov. 1

Bridge Club, 6:30 p.m., Room 301 HUB.

Geological Sciences Club, 7 p.m., Room 26 Mineral Sciences Lucitle Tanner, U.S. Geological Survey, on "Recent Explorations of the Atlantic Continental Shelf: Deep Stratographic Test Results."

Wednesday, Nov. 3

Chess Club, 7 p.m., HUB gameroom.

PSOC Ski Division, 7 p.m., HUB ballroom. Organizational Meeting.

Thursday-Friday, Nov. 4-5

Board of Trustees, Keller Bldg.

Sunday, Nov. 7

Interlandia Folk Dancing, 7:30 p.m., small gym, White.

Films

Thursday, Oct. 28

Free Shakespeare film, "Hamlet" (Williamson, Richardson), 6:30 p.m., Room 101 Chambers.

Monday, Nov. 1

Free Shakespeare film, "King Leer" (Scofield, Brook), 6:30 p.m., Room 101 Chambers.

Wednesday, Nov. 3

South Cinema Musical, "Gay Divorcee," 7 and 9:30 p.m., Room 121 Sparks.

Exhibits

Museum of Art: Antwerp Drawings from the 16th and 17th Centuries. Twenty-four British Potters, opening Oct. 31.

Museum of Art-HUB Gallery: "Super Mud" Women's Exhibit and Master Works Exhibit.



Vase by British potter Pam Wright at Museum of Art exhibit.

Zoller Gallery: "Super Mud" Student Invitational, through Nov. 3. Work by Edward Adams, opening Nov 6.

Hetzel Union Bldg. Gallery: Homecoming Exhibits.

Kern Gallery: Senior Citizens' Exhibition, through Oct. 30. Canadian Art, opening Oct. 31. Sandra Leitzinger, Watercolors, through Nov. 6. Ed Leos, Child Photography, opening Nov. 7. Grace Pisko, Porcelain, through Nov 6. Jack Troy, Pottery, opening Nov. 1.

Chambers Gallery: Gery Rosine, Drawings and Paintings.

New Kensington Campus: Paintings by Stuart Frost.

212A Arts Bldg: "Real Indians," photography by David Telt, through Nov. 12.

British, oriental works at Museum

Pieces by 24 British potters, recent gifts of Chinese works of art from Dr. Ralph C. Marcove, and Japanese prints from William E. Hankins will be shown beginning Sunday, Oct. 31, in the Museum of Art.

The British potters exhibit was selected and organized by museum director William Hull, evolving from four visits which he has made to England since 1970. The majority of the works in the exhibit were made in 1975 or early 1976. The focus of the show is on "the new, essentially urban potters with a greater insistence on elegance of form without a visible nostalgia for folk tradition," Mr. Hull says.

The exhibit of recent accessions of Chinese and Japanese art was mounted especially for the Mid-Atlantic Region of the Association for Asian Studies Conference which is being held at Penn State Oct. 30-31.

The gift from Dr. Marcove is a collection of Chinese ceramic, bronze, jasper and tapestry items, including several Sung and T'ang dynasty pieces and examples from the Chou, Han, Sui, Ming and Five Dynasties. Part of a continuing gift to the museum, the show includes works by Toshinobu, Shunei, Toyonobu, Kiyomaga, Utemaro and Hiroshige.



General Brodhead Center has amphitheatre and stage set to right-center of pond; gazebo and exhibit promenade are at left. Museum is located at right above amphitheatre, with parking area set below. Two buildings at top left are private homes.

Beaver gets cultural center

Several hundred persons attended the Open House/Dedication of Beaver Campus's new General Brodhead Cultural Center on Sunday, Oct. 10.

A community-campus cultural complex, the center includes an amphitheatre, pavilion and stage, gazebo, exhibit area, pond, museum and parking facilities. Its nucleus is the outdoor amphitheatre, which is carved into a hillside and provides seating for from 600 to 1,000 spectators.

The amphitheatre affords an unobstructed view of the large pavilion and stage area. The pavilion is constructed of rough-sawed cedar plywood, its roof finished with hand-split cedar-shakes. Several large, handsome planters enhance the area.

An octagonal gazebo, containing a public refreshment area and restroom facilities, is centered in a promenade area which can be used for outdoor exhibits and leads to the one-quarter acre pond, containing a fountain which can be illuminated at night.

Situated above the amphitheatre is the museum. Its brick exterior has a rustic look with a cedar-shake roof, colonial windows and doors and brick-paved walks. The museum is a memorial to the first settlers of Beaver County and contains many early artifacts, as well as housing the Mill Creek Valley Historical Association.

Construction of the half-million dollar center was funded by the Beaver County Commissioners, along with numerous contributions from groups and individuals, and its operation will be guided by an 18-member council including representatives from the community and members of the Beaver Campus Advisory Board.

The center is named after General Daniel Brodhead, commander of Fort McIntosh, a Revolutionary fort located at the mouth of the Beaver River.

Carpenter dedication is Friday

The C. R. Carpenter Bldg., formerly known as the Social Sciences Bldg., will be dedicted in memory of the late Dr. Carpenter at 3 p.m., on Friday, Oct. 29.

The dedicatory exercises will be held in front of the building, which trustees earlier this year named for Dr. Carpenter.

Leslie P. Greenhill, assistant vice-president for academic services and for many years a close colleague of Dr. Carpenter, will preside at the program. President Oswald will offer dedicatory comments, and Liberal Arts Dean Stanley F. Paulson will present reflections on Dr. Carpenter, who died March 1, 1975, in Athens, Ga., where he was serving as research professor at the University of Georgia.

The C. R. Carpenter Bldg. and the Kern Graduate Bldg. were constructed by the General State Authority of Pennsylvania at a cost of more than $3.2 million, a substantial amount of the construction funds having been provided by the U.S. Office of Education. The project was completed in 1970, the year Dr. Carpenter retired from Penn State.

Dr. Carpenter was an internationally recognized scholar in psychology and anthropology and a pioneer in the development of instructional television. His research and scholarly contributions in the area of primate behavior continue to be considered by social scientists as major classics in the field.

During his more than 30 years at Penn State, Dr. Carpenter served in numerous leadership positions. For seven years he was head of the Department of Psychology. He served as director of the Instructional Television Research Program, which was later to become the Division of Instructional Services. His role on national commissions concerned with fostering the development of instructional technology at all levels of education was instrumental in establishing the future focus for technology in teaching.

Dedication at Berks

About 350 persons attended a reunion and banquet Oct. 16, at which a statue and two memorial roads were dedicated to leaders of the former Wyomissing Polytechnic Institute, predecessor of the Berks Campus, where the event was held.

The former students, faculty and staff members, and friends of the Institute attended the dedication of a memorial statue, the "WPI Flame." Commissioned by friends of WPI and the Berks Campus, the bronze abstract double flame is mounted on a four-foot brick podium at the entrance to the Berks' Library. Sculptor Aleko Kyriakos explained that the flame was "designed to show a small flame kindling a larger flame, the way WPI started Berks Campus."

Two campus roads were also dedicated, each marked by a six-ton stone with a mounted plaque. Harper Road honors Arthur C. Harper, WPI president from 1931 to 1952. Under his leadership, the school developed from a trade school to a technical institute. Stoudt Road is dedicated to the memory of the late T. Glenwood Stoudt, president of WPI from 1952 until 1958, when the school was transferred to Penn State.

York groundbreaking

Groundbreaking ceremonies for York's new $750,00 campus-community center were held Oct. 19. The new center will be contiguous with the existing gymnasium on the York Campus and will add an additional 13,710 square feet of building space. Funds for the building were raised during the past year through the efforts of York Campus fund drive leaders, led by William T. Wolf, past Advisory Board chairman. Major features of the new building include a multipurpose community room, student activities area, vending/snack bar area, and offices for groups and student affairs. Completion of the building is anticipated in fall 1977.

Funding opportunities

For procedural and funding source information, call 865-1372.

(244-2) The Harry S. Truman Scholarship Foundation has adopted regulations for its perpetual education scholarship program designed to help prepare college students for **public service careers.** Applications should emphasize administration, management, and leadership ability. Institutions must submit nominations annually, date to be announced in the Federal Register. (Ref 41FR 42666-65, 9/28/76)

(244-3) The Office of Education has issued guidelines for its **Handicapped Research and Demonstration Program—Student Research**, and has enlarged deadlines of Dec. 15 and March 15. The purpose of this program is to stimulate the entry of new personnel into this research field, and to assist students in "planning a viable research project." (Fed. Ibid.) (CFDA 13.433). Also announced was a Jan. 10 deadline for Handicapped R&D Field Initiated Studies program. (Ref. 41FR43947, 10/5/76)

(244-5) NSF has issued an **Important Moolings Announcement and Draii Guides (or Science Education Development** and Research Programs. (Ref. Ibid, September 1976)

(245-1) The American Heart Association Pennsylvania affiliate announces a Dec. 31 deadline for **Research Grants-in-Aid and Fellowships** program. Doctoral degrees are required of all applicants. The Harrisburg telephone contact is 717-238-6895. (Ref. AHA Announcements)

(243-2) The National Highway Institute (USDOT) has revised its regulations on **Fellowship and Scholarship Grants** and has reinstated **State Education and Training Programs**. (Ref 41FR 46034-36, 10/6/76)

(245-3) The PHS National Heart, Lung, and Blood Institute has issued regulations for **Grants for National Research and Demonstration Centers.** (Ref. 41FR 44171-76, 10/7/76)

(245-4) The National Endowment for the Arts (NEA) has published its **1976-77 Guide to Programs**. Included are: architecture and environmental arts, dance, education, expansion arts, federal-state partnership, folk arts, literature, museums, music, public media, special projects, theatre, and visual arts. (Ref. Ibid)

(245-5) The National Science Foundation has announced a Nov. 29 deadline for the **1976-77 NATO Postdoctoral Fellowship in Science** (includes engineering and the social sciences). About 4 awards are made each year for further study at foreign institutions. Travel to NATO Advanced Study Institutes is also supported. (Ref. SE77-1)

(245-6) The CETA division of the U.S. Department of Labor has issued procedures for **purchase of training and services on Job Corps Centers.** (Ref. 41FR 44263-94, 10/6/76)

(246-1) The U.S. National Research Council announces **NRC Research Associateships Program** for 1977. These associateships provide postdoctoral research opportunities in federal laboratories and will accommodate scientists and engineers whose fields are atmospheric and earth sciences, chemistry, engineering, environmental sciences/mathematics, physics, and space sciences. The closing date is Jan. 15, 1977. (Ref. NRC announcement)

(246-2) The Office of Education has set Dec 17 as the deadline for grant applications under its **Ethnic Heritage Studies Program.** Guidelines will be available soon. (Ref. 41FR 45038, 10/14/76)

(246-3) NEH has issued its **Program Announcement 1976-1977.** Included is information for applicants, a calendar of deadlines, and information about programs in research, fellowships, education, public programs, and youthgrants. (Ref. Ibid)

FELLOWSHIPS (FO /6-25)

(For further information inquire at 317 Kern, 865-2514)

(246-4) NEH-study and research, publications stipends, summer seminars — March 1, June 1, 1977

(245-3) St. Andrews Society — study in Scotland

(246-6) Inter-American Foundation — doctoral candidates — Nov. 15, 1976

(245-7) National Academy of Sciences-USSR, etc — postdoc — Nov. 19, 1976

(245-8) U.S. Dept. of Justice — graduate research-doctoral candidates — March 1, 1977

(243-5) Business and Professional Women's Foundation-Jan. 1

(243-6) Michigan Society of Fellows — nominee under 30, 1977-78 program.

(243-7) The Danforth Foundation — Nov.

WPSX highlights

Architect/designer Charles Eames and his wife and professional partner, Ray, are the subjects of **An Eames Celebration** at 8:30 p.m. on Saturday, Oct. 30. The 90-minute documentary, filmed in the Eames' home in Santa Monica, Cal., explores the couple's work in design, communications and filmmaking.

A lonely woman finds herself becoming increasingly attached to another woman in "The War Widow," an original drama by Harvey Perr, on **Visions** at 10 p.m. on Saturday, Oct. 30. Pamela Bellwood stars.

The late Woody Guthrie is the subject of a documentary-concert on **Soundstage** at 10 p.m. on Monday, Nov. 1. A concert segment of Guthrie's songs features his son, Arlo, Judy Collins, and Fred Hellerman (one of the original Weavers). Studs Terkel appears in the documentary segment.

Another Woody — this one named Herman — is featured in a 90-minute election night special at 8 p.m. on Tuesday, Nov. 2. **Woody** is a salute to the jazz band leader who began his career on election night 1936.

The PBS Movie Theatre begins a festival of early Ingmar Bergman films at 9:30 p.m. on Tuesday, Nov. 2, with "A Lesson in Love." The film centers around a jealous wife who discovers that her gynecologist husband is having an affair. She fights back by returning to her former career as an artist's model.

Beverly Sills stars in a live television broadcast of the New York City Opera's production of **The Barber of Seville** at 8 p.m. on Wednesday, Nov. 3. The program, broadcast live from New York's Lincoln Center, is conducted by Sarah Caldwell.

Chorale, Wind Ensemble in concert

The Penn State Brass Chorale, conducted by James Benshoof, assistant professor of music, and members of the Penn State Symphonic Wind Ensemble, conducted by Smith Touloun, associate professor of music, will perform in concert at 8:30 p.m. on Friday, Oct. 29, in the Music Bldg. recital hall.

Members of the two groups, both composed of students selected by auditions University-wide, will perform Hindemith's "Septet for Wind Instruments" and "Divertimento" by Gordon Jacobs for pairs of oboes, clarinets, bassoons and horns, both under the direction of Mr. Toulson.

Following intermission, Mr. Benshoof will conduct the brass choir in four works, including three dances from "Susato Suite," a 16th century suite edited and arranged by John Iveson, trombonist with the Philip Jones Brass Ensemble, and the motet from Joshua Missal's "Jericho Suite."

Also to be performed are a processional fanfare by Edgar Howard, a member of the University In Italy as conductor of the Grimethorpe Colliery Band. The fanfare, written for the enthronement of the Archbishop of Canterbury, was premiered by the Philip Jones ensemble, with which Mr. Howarth plays trumpet.

Completing the program will be Alfred Reed's "Symphony for Brass and Percussion," first performed by members of the Oberlin Symphony Band of the College Band Directors' National Association 1958 convention.

Staff vacancies

Staff vacancies in this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in the INTEROFFICE may be found in the Penn State REPORTER. All University employees who are interested in promotion may apply by calling the Employment Division 865-1367 (network Line 475-1387). Applications for these staff vacancies will be received until 6 p.m. Nov. 4, 1976. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

COORDINATOR, THE PENNSYLVANIA STATE UNIVERSITY COMMUNITY CENTER, STUDENT AFFAIRS — Philadelphia

Responsible to the Assistant President for Student Affairs, Special Programs and Services, for the operation of the community center assigned; responsible for public relations activities within the black community to enhance the image of The Pennsylvania State University; to facilitate recruitment and admission of black students. Responsible for designing and implementing recruiting strategies and procedures that will assist in maintain the long-range enrollment goals established by the President's Task Force on Increasing Black enrollment. Bachelor's degree or equivalent, plus two to three years of directly related experience in recruiting and public relations work.

COLLEGE HEALTH NURSE — IN-PATIENT AND EMERGENCY ROOM, ALLEN STREET HEALTH CENTER, STUDENT AFFAIRS — University Park

Responsible to Head College Health Nurse, In-Patient and Emergency Room, for providing nursing service in the In-Patient Service Area and for the Emergency Room and assisting licensed physician and dentist with patient care. Graduate from an accredited nursing program or its equivalent and current licensure in Pennsylvania as a registered nurse, plus six to nine months of directly related experience.

MEDICAL TECHNOLOGIST, RITENOUR HEALTH CENTER, STUDENT AFFAIRS — University Park

Responsible to Senior Medical Technologist for the performance of a variety of standardized laboratory tests and procedures. Bachelor's degree and ASCP certification or its equivalent, plus three to six months of directly related experience. This is a ten-month continuous position.

PENN STATE intercom

Volume 5, Number 56 November 4, 1976

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

Pattee holiday schedule

During the Thanksgiving holiday, Pattee Library and its branches will be closed on Sunday, Nov. 21; Thursday, Nov. 25; and Saturday and Sunday, Nov. 27-28. They will be open from 7.45 a.m. to 5 p.m. on Saturday, Nov. 20; Monday through Wednesday, Nov. 22-24; Friday, Nov. 26; and Monday through Wednesday, Nov. 29-Dec. 1. Normal hours will be resumed on Thursday, Dec. 2, the first day of winter term classes. Undergraduate branch libraries at East Halls and Pollock South will be closed from Nov. 20 to Dec. 2.

Swine flu immunization dates

Penn State faculty, staff and students may be immunized against the A/New Jersey (Swine Flu) strain of the influenza virus beginning Monday, Nov. 8, in the HUB Ballroom. Since some 40,000 persons are expected to participate in the program, it is important for those wishing the shots to adhere to the schedule set up by Ritenour. This schedule appears on page four.

Kern offers Dinner Theatre

Kern Graduate Commons is offering another of its Uncommon Dinner Theatres on Saturday and Sunday, Nov. 6-7. The play, "Happy Birthday Wanda June," by Kurt Vonnegut Jr., is a satire on Homer's Odyssey and also manages to sideswipe that 20th century adventure-seeker, Ernest Hemingway. N.Y. Times' critic Clive Barnes described the play as "wickedly funny." It will be presented at 8 p.m. in Kern's assembly room. Dinner at 6:30 p.m. in Room 112 Kern features top round of beef. Tickets for dinner and theatre are $6; for theatre alone, the price is $1.75. The program is being sponsored by the Graduate Student Association, the Department of Theatre and Film and the Hotel and Restaurant Society. Tickets are available at Kern's Information Desk (865-1878).

How to save $10

Faculty and staff members who purchase new cars can save $10 by insuring that complete remnants of the parking bumper stickers or permits on the cars they trade in are returned to their parking representatives. If complete remnants are not returned, a $10 fee will be charged for the issuance of replacement stickers. Car dealers in the area are aware that remnants are needed, and most have the tools to remove the bumper stickers easily and are happy to do so.

Choirs to join on Sunday

In celebration of All-University Day, the Altoona Campus Choir will join the University Chapel Choir for a special University Chapel service on Sunday, Nov. 7, at 11 a.m. in the Music Bldg. recital hall.

The Altoona Choir will sing the traditional spiritual "Deep River," and the University Chapel Choir will sing "O Magnify the Lord" by Berger. Then the 150 voices of the combined choirs, under Raymond Brown, director of choral music at the University, will sing "O Clap Your Hands" by Vaughan Williams.

The guest speaker at the service will be Dr. Edward V. Ellis, associate professor of public health and associate dean for continuing education in the College of Human Development. His topic is "Higher Education: Elitism or Egalitarianism?"

University Faculty Senate meeting is Nov. 9

Percentage of Grades Given in Baccalaureate Courses — All University

Spring Term	A	B	C	D	F	W
1974	31.5	33.3	19.5	5.3	3.2	2.2
1975	29.8	33.1	20.4	5.7	3.7	2.3
1976	28.0	32.6	20.1	5.8	3.0	4.1

Percentage of Grades Given in Baccalaureate Courses, University Park

Spring Term 1976 College	A	B	C	D	F	W
Agriculture	30.7	39.2	20.3	3.6	1.0	1.3
Arts and Architecture	33.2	31.0	16.2	3.8	2.8	3.1
Business Administration	23.9	33.9	24.4	5.7	2.2	3.7
Earth and Mineral Sciences	30.2	33.8	18.3	5.6	2.2	2.9
Education	51.1	31.1	8.4	1.6	1.1	3.2
Engineering	25.1	34.3	23.3	6.8	2.6	3.4
Health, Physical Ed., and Recreation	46.2	34.8	8.3	1.6	1.5	3.2
Human Development	30.9	36.2	17.6	3.6	1.4	2.4
Liberal Arts	23.1	32.9	22.0	5.3	2.6	4.1
Science	21.0	29.8	22.7	9.1	4.7	5.6
TOTAL University Park	29.0	33.0	19.2	5.3	2.6	3.8

Senate issues grade inflation report

The percentage of A's given at the University has dropped for the second consecutive year, according to a report that the Committee on Undergraduate Instruction will present to the University Faculty Senate on Tuesday.

The committee's report on grade distributions for spring term 1976 says the decrease in A's is probably due to the increased attention grade inflation has received in the last several years.

"This decline in grade inflation is a national phenomenon," says the committee, citing a Chronicle of Higher Education article, which reports that 80 per cent of the 135 institutions of higher learning participating in a recent survey have taken steps to review or curb grade inflation. "Penn State appears to be typical, not only in the decline in grade inflation, but also in its attack on the problem," the committee points out.

The committee also notes that there is still a wide divergence between Penn State's colleges in percentages of A's given — from a low of 21.0 per cent in Science to a high of 51.1 per cent in Education.

The report also cites a continued divergence in grading among campuses, with Delaware County giving the fewest A's — 18.9 per cent — and Altoona the most — 32.6 per cent.

The committee found a doubling in the percentage of W's during spring term and attributed this to a change in the withdrawal policy that became effective that term.

Social dedication is a part of her life

On a recent visit to University Park, Alice Hoffman sat in a small room in the labor archives paging through a black book about the size of a family picture album. It was an interview with Patrick Fagan, a crusty, colorful ex-officer in the United Mine Workers. Mrs. Hoffman closed the book on her lap and poked it with her finger as she spoke.

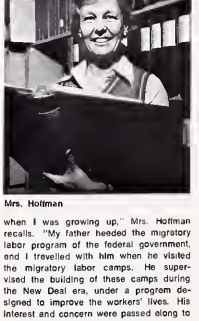
"If you went to know the history of the UMW, or the effects of the Miller candidacy, or the ramifications of the Yablonski killings," she says with authority, "you ought to read this interview with Patrick Fagan."

The associate professor of labor studies should know the value of the archives — she founded them in the mid-'60s after taking over the job of tracking down and preserving documents that contain the history of Pennsylvania labor.

Mrs. Hoffman joined the Penn State faculty in 1967 as an instructor in labor studies while her husband, Howard, was a psychology professor here. When he accepted a post with Bryn Mawr, Mrs. Hoffman was able to move the center of her activities to the King of Prussia Graduate Center where she now oversees the workers' education program in southeastern Pennsylvania.

The Brooklyn native, who received her baccalaureate degree at Earlham College, and her M.A. in history from Penn State, attributes her interest in labor to having been raised in its midst: Her father, Nelson Cruikshank, was director of the department of social insurance for the AFL-CIO in Washington, D.C., during the 1930s.

"Labor put meat and drink on the table



Mrs. Hoffman

when I was growing up," Mrs. Hoffman recalls. "My father heeded the migratory labor program of the federal government, and I travelled with him when he visited the migratory labor camps. He supervised the building of these camps during the New Deal era, under a program designed to improve the workers' lives. His interest and concern were passed along to me — social dedication becomes a part of you when you're exposed to it."

She speaks proudly of the fact that her father appears in John Steinbeck's classic about migrant workers, "The Grapes of Wrath." Mrs. Hoffman said Steinbeck spent two years in the migrant camps run by her father, collecting background.

(Continued on page four)

Approval of special admission policy for veterans is expected

The University Faculty Senate is expected to approve the continuation of the Veterans Special Admission Policy for three years at its Nov. 9 meeting.

The Committee on Admissions, Records, and Scheduling has recommended continuation for admission years 1977-79 because of the program's track record.

"It is clear that the program is successful and should be continued in some form," the subcommittee reported, "until the entire draft-eligible population has completed its service and returns fully to civilian life."

In July 1975 the program was approved, allowing Pennsylvania veterans who were once dropped from higher education because of poor scholarship to enroll as provisional students. Since then, the subcommittee reported, 44 have been changed to degree status.

The grade point averages of 23 of them as of the end of spring term were between 3.0 and 4.0; another 11 were between 2.5 and 2.99; eight were between 2.0 and 2.49; and only two fell below 2.0.

ROTC vote on tap

The Senate will vote on a constitutional amendment concerning Senate membership of ROTC faculty members at campuses other than University Park.

The Senate also will:

— Hear an informational report on the University's proposed budget plan and State appropriation request for 1977-78, which was approved by the Board of Trustees in July and forwarded to the State Appropriation Committee in Harrisburg.

— Receive a report from the subcommittee on special admission programs of the Committee on Admissions, Records, and Scheduling which has approved continuation of the Educational Opportunity Program and the Veteran Student Program for 1977-78. The requested admissions of economically and educationally disadvantaged students of this state in EOP total 500. The veterans program will admit 100.

— Hear a report from the same subcommittee, which has approved continuation of the experimental admissions program in the College of Arts and Architecture and the Department of Speech Pathology and Audiology, and of experimental programs for high school seniors who wish to take credit courses at Penn State.

— Hear an informational report on the progress of a committee on student mobility among majors.

The subcommittee on special admission programs also will report on the discontinuation of the experimental admission program in engineering technology, which was established to expedite the admissions process. But during the life of the program, the subcommittee found, associate degree admissions have become decentralized and students not admissible to a degree program are now admissible on a non-degree basis.

Winter calendar data due

A winter term calendar for University Park will be published in the Dec. 2 issue of INTERCOM. Any persons with materials which they wish included in that calendar should send them to the Calendar Editor, 312 Old Main, 865-2501.

PENN STATE COLLECTION

University Policy on Confidentiality of Student Records

President Oswald has issued the University's Final Policy on Confidentiality of Student Records, to be effective immediately. The Policy is in response to the Family Educational Rights and Privacy Act of 1974 ("The Buckley Amendment"), the final regulations which were released by the Department of Health, Education and Welfare on June 17, 1976.

In his covering letter, the President said: "This Policy, and the associated implementation procedures, was developed in consultation with faculty and students, academic administrators and relevant staff personnel . . . . As I indicated at the time the interim procedures were issued, I ask that each individual in the University involved in the implementation of this Policy do so in the spirit of protecting the privacy of records of individual students — utilizing such information only in the context of official University business."

I. PREAMBLE

The Pennsylvania State University collects and retains data and information about students for designated periods of time for the expressed purpose of facilitating the student's educational development. The University recognizes the privacy rights of individuals in exerting control over what information about themselves may be disclosed and, at the same time, attempts to balance that right with the institution's need for information relevant to the fulfillment of its educational missions. The University further recognizes its obligation to clearly inform the student of the existence and location of records as well as to define the purposes for which such information is obtained; to provide security for such material; to permit student access to, disclosure of, and challenge to this information as herein described; and to discontinue such information when compelling reasons for its retention no longer exist.

II. STUDENT RECORD POLICY

No information from records, files, and data directly related to a student shall be disclosed by any means (including telephone) to individuals or agencies outside the University without the consent of the student in writing, except pursuant to lawful subpoene or court order, or except in the case of specifically designated educational and governmental officials as required by Public Law 93-380 ("Education Amendments of 1974"). Information contained in such records may be shared within the University. Records originating at another institution will be subject to these policies.

III. STUDENT EDUCATIONAL RECORDS

Student educational records are defined as those records, files, documents, and other materials which contain information directly related to a student and are maintained by The Pennsylvania State University or a person acting for the University pursuant to University, college, campus, or departmental policy.

Student educational records do not include records of instructional, supervisory, and administrative personnel and ancillary educational personnel which are in the sole possession of the maker and which are not accessible or revealed to any other person except a substitute.

Other exclusions include:

A. Notes of a professor/staff member concerning a student and intended for the professor's/staff member's own use are not subject to inspection, disclosure and challenge.

B. Records of the Security Division, except in those instances where they are transmitted within the University for administrative purposes.

C. Records relating to an individual who is employed by an educational agency or institution which:

1. Are made and maintained in the normal course of business;
2. Relate exclusively to the individual in that individual's capacity as an employee; and
3. Are not available for use for any other purpose.

D. Records on students which are made or maintained by a physician, psychiatrist, psychologist, or other recognized professional or paraprofessional acting or assisting in that capacity are not subject to the provisions of access, disclosure, and challenge. Such records, however, must be made, maintained, or used only in connection with the provision of treatment to the student and are not available to anyone other than the persons providing such treatment or a substitute. Such records may be personally reviewed by a physician or other appropriate professional of the student's choice.

IV. DEFINITION OF STUDENT

For the purpose of this policy a student is defined as an individual currently or previously enrolled in any academic offering of the University.

It does not include prospective students (applicants to any academic program of the University).

V. PUBLIC INFORMATION REGARDING STUDENTS

The following is a list of public information which may be made available regarding students of the University without their prior consent and is considered part of the public record of their attendance:

1. Name
2. Address (Local and Permanent)
3. Telephone Number
4. Date and Place of Birth
5. Major
6. Student Activities Including Athletics
7. Weight/Height (Athletic Teams)
8. Dates of Attendance
9. Date of Graduation
10. Degrees and Awards Received and Where Received
11. Most Recent Educational Institution Attended
12. Name and Address of Parents, Guardian, Spouse

The student is entitled to request that any or all of this information not be made publicly available, such a request must be made in writing to the Records Office and shall be effective only with respect to the release of directory information not prepared for release at the time of the request's receipt by the Record Office Such a request remains effective until revoked by the student; such a revocation must be in writing to the Records Office.

VI. UNIVERSITY OFFICERS RESPONSIBLE FOR STUDENT RECORDS

The following University officers are designated as responsible for student records within their respective areas: the Vice-President for Undergraduate Studies; the Vice-President for Student Affairs; the Vice-President for Continuing Education; the Vice-President for Research and Graduate Studies; the University Budget and Planning Officer; the Controller; the Vice-President for Business, the Deans of the Colleges; the Dean of the Graduate School; the Directors of the Commonwealth Campuses; the Director of Behrend College; and the Provosts of the Capitol Campus and the Milton S. Hershey Medical Center. Each of these officers is responsible to make available a list of student records within his area of responsibility indicating the purpose, storage, security, and disposition of each student record. The Vice-President for Student Affairs will be responsible for maintaining a University-wide listing of the records, files, and data collected on individual students.

VII. POLICIES ON DISCLOSURE OF STUDENT RECORDS

The following guidelines will be utilized with respect to the disclosure of the student records:

Note: In no case will letters of recommendation and other information obtained or prepared before January 1, 1975, which were written on the assumption or expressed promise of confidentiality to the authors, be available for inspection, disclosure, or challenge. Letters of recommendation and other information written and/or compiled after January 1, 1975, are available to students in accordance with guidelines which follow.

A. Disclosure to the student:

The student is accorded the right to inspect, in the presence of a staff member, official University records, files, and data primarily and directly related to himself/herself. This right includes an explanation of any information contained in these sources. The student is entitled to such rights within 45 days of the time that he/she personally requests the appropriate University office to initiate such release.

Educational records of the student will not be released to the student, his parents, or any third party so long as a financial indebtedness or serious academic and/or disciplinary matter involving the student remains unresolved. This limitation does not preclude the student from having personal access to the records — merely from obtaining the release of the information. The student may not have access to the confidential financial statements of parents or any information contained in such statements.

A student may waive his/her right to access to confidential letters of recommendation which he/she seaks for admission to any educational agency or institution, for employment, or for application for an honor or honorary recognition. The student must be notified on request of all such individuals furnishing recommendations and the letters must be solely for the stated purpose for which the student was notified end for which he waived his right of access. Such waivers may not be required as a condition for admission to, receipt of financial aid from, or receipt of any other services or benefits from such agency or institution.

Where any such records, files, or data contain information relative to a third person, the student is entitled to be informed of only so much of that record as pertains to himself/herself. Each record-keeping unit of the University will establish procedures for accommodating requests for access to student records. An administrative charge not exceeding the actual cost to the University of providing access may be initiated in certain areas for access to record information.

The student is entitled to copy privilege as regards his/her records, files, and data at a reasonable administrative cost.

B. Disclosure of information to third parties:

Disclosure of information contained in student records, files, and data is normally controlled by the student. Such disclosures will be made to a third party only on the condition that written, dated consent is obtained from the student. The third party is to be reminded that they should not permit additional access to the information by an additional person without further written consent of the student prior to such an additional transfer of information.

When information on a student must be shared outside the University, all persons, agencies, or organizations desiring access to the records of a student shall be required to sign a written form to be kept permanently with the file of the student indicating specifically the legitimate educational or other interest in seeking this information. This form will be available solely to the student and to the University officer responsible for the record as a means of auditing the operation of the record system. Exceptions to this are (C) through (I).

C. Disclosure to other educational institutions:

Disclosure of appropriate academic records may be made to officials of other educational institutions to which the student has applied and where he/she intends to enroll.

D. Disclosure pursuant to judicial order: Information concerning a student shall be released if properly subpoenaed pursuant to a judicial, legislative, or administrative proceeding. Effort will be made to give advance notice to the student of such an order before compliance by the University.

E. Disclosure pursuant to requests for financial aid:

Necessary academic and/or financial student records may be disclosed without the student's prior consent in connection with the student's application for, or receipt of, financial aid.

F Disclosure to federal and state authorities.

This policy shall not preclude access to student records by authorized federal and state officials in connection with the audit and evaluation of federally supported education programs or in connection with the enforcement of federal and state legal requirements which relate to such programs. Except when collection of personally identifiable data is specifically authorized by federal and state law, any data collected and reported with respect to individual students shall not include information including Social Security numbers which would permit the personal identification of such student.

G Disclosure under emergency conditions:

On an emergency basis, information about a student may be released by a designated officer of the University when that information is necessary to protect the health or safety of a student.

H. Disclosure to educational agencies or institutions:

Information which will not permit the individual identification of students may be released to organizations or educational agencies or institutions for the purpose of developing, validating, and administering predictive tests and measurements. Similar information may be released to accrediting organizations in order to carry out their accrediting functions.

I. Disclosure to parents of dependent students:

Information concerning a student who is dependent (as defined in the Internal Revenue Code of 1954) may be released to that student's parents. The Internal Revenue Service defines a dependent student as one who attended an educational institution full time for any five (5) calendar months of a tax year and who was provided more than one-half of his/her support as claimed by the parents on their income tax statement. For purposes of this policy the assumption unless individually certified to the contrary under the criteria above, will be that undergraduate students of the University are dependent students.

VIII. CHALLENGE OF RECORD ENTRY

The student is entitled to challenge and or add to the factual basis of any record entry contained in records, files, and/or data. The purpose of the challenge is to insure that such entries are not inaccurate or misleading, or in violation of his/her privacy or other rights as a student, and to provide an opportunity for the correction or deletion of any such inaccuracies misleading, or otherwise inappropriate data contained therein. The substantive judgment of a faculty member about a student's work, expressed in grades and/or evaluations, is not within the purview of this right to challenge.

The University will provide, on request by the student, an opportunity for a hearing to challenge the content of the student record(s). The request should be submitted to the appropriate University officer (see VI) in whose area of responsibility the questioned material is found. The University officer is authorized to rectify the entry and so notify the student in writing. The designated officer will provide the student with an opportunity to place in the record a statement commenting upon the challenged information in the educational records which will be kept so long as the contents are contested. The contents of the student's challenge will remain a part of the student's records regardless of the outcome of any challenge.

If a records entry question has not been satisfactorily resolved by this informal procedure, the student is entitled to a hearing on the matter. The hearing must be held within a reasonable time after the request and the student notified as to the time, date, and place of the hearing in a reasonably advanced time of the hearing as to make his/her presence practical.

(Continued on page four)

University Park Calendar

November 4—14

Items to be included in this calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special events

Thursday, Nov. 4
FSHA 410 dinner, "Contemporary Russian," 5:30 p.m., Maple Room. Reservations: 865-7441.
Theatre, "Cradle of the Hero," 8 p.m., Playhouse Theatre.
Behrend Players, "When You Comin' Back, Red Ryder?" 8 p.m., Behrend College Studio Theatre.
Mina Hoefele, President, Delaware Valley Conservation Assn., on "River Conservation," 8 p.m., Room 214 Boucke.

Friday, Nov. 5
Sports: Junior Varsity Football, vs. Milford Academy, 2 p.m.
University Theatre, "Cradle of the Hero," 8 p.m., Playhouse Theatre.
COG Coffeehouse, 8 p.m., Room 102 Kern.
Behrend Players, "When You Comin' Back, Red Ryder?" 8 p.m., Behrend College Studio Theatre.
Folk, Square and Ballroom Dance Roundup, 7:30 p.m., Room 133 White.

Saturday, Nov. 6
Sports: Football, vs. North Carolina State, 1:30 p.m.; women's cross country, Region IV Championships; women's field hockey, vs. West Chester, 1 p.m.
Shavers Creek Nature Center, An Evening of Star Gazing, 8 p.m., Stone Valley.
University Theatre, "Cradle of the Hero," 8 p.m., Playhouse Theatre
Behrend Players, "When You Comin' Back, Red Ryder?" 8 p.m., Behrend College Studio Theatre.
PSU Symphony Orchestra, 8:30 p.m., University Auditorium.
Un-Common Dinner Theatre, Kern, Dinner, 6:30 p.m.; Theatre, "Happy Birthday Wanda June," 8 p.m.

Sunday, Nov. 7
PSDC Hiking Division, Exploration in Little Juniata Natural Area, 9 a.m.
Chapel Service, 11 a.m., Music Bldg. recital hall. Combined Altoona and University Chapel Choirs; Dr. Edward V. Ellis, speaker.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Rev Hugh Brooks, State College.
Opening reception, Works by Edward Adams, 7:30 p.m., Zoller Gallery.
Un-Common Dinner Theatre, Kern, Dinner, 6:30 p.m.; Theatre, "Happy Birthday Wanda June," 8 p.m.

Monday, Nov. 8
Intramural Handball Doubles, entry opens, Intramural Bldg.

Wednesday, Nov. 10
Claremont Woodwind Quintet, 8:30 p.m., Music Bldg. recital hall.

Thursday, Nov. 11
FSHA 410 dinner, "Classical French," 5:30 p.m., Maple Room. Reservations: 865-7441.
Intramural Handball Doubles, entry closes.

Friday, Nov. 12
FSHA 410 dinner, "Contemporary German," 5:30 p.m., Maple Room. Reservations: 865-7441.
Penn State Invitational Springboard Diving Championship Meet, Women's 3-Meter Event, 8 p.m.
GSA Coffeehouse, 8 p.m., Room 102 Kern.
Marcus Chaibuck, piano, 8:30 p.m., Music Bldg. recital hall.

Saturday, Nov. 13
Penn State Invitational Springboard Diving Championship Meet.

Sunday, Nov. 14
Sports: Men's cross country, Eastern USTFF Championships.
PSDC Hiking Division, exploration on Naked Mnt. north and east of R. B. Winter State Park, 9 a.m.
Chapel Service, 11 a.m., Eisenhower Chapel Daniel Walden, English Dept.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Pastor Gerald G. Loyd.

Seminars

Thursday, Nov. 4
Agronomy, 8:15 a.m., Room 309 Tyson. G. Mellish, "Influence of Continuous Soil Warming on Winter Survival, Carbohydrate Reserves, and In Vitro' Dry Matter Disappearance of Some Common Grasses and Alfalfa."
Chemistry, 12:45 p.m., Room 333 Whitmore. Frank H. Stillinger, Bell Labs., on "Molecular Recognition and Self-Organization In Fluorinated Hydrocarbons."
Physics, 3:50 p.m., Room 117 Osmond. Jon T. Hougen, National Bureau of Standards, Washington, D.C., on "Calculation of Vibration Level Populations In Multiphoton Absorption Processes."
Bioengineering, 4 p.m., Room 132 EEE. Jerry Miller, "Equivalent Circuit for a Sac-Type Artificial Ventricle and Mock Circulatory System."
Meteorology, 4 p.m., Room 26 Mineral Sciences. Otto Zeman, aerospace engineering, on "Boundary Layer Modeling."

Friday, Nov. 5
Surface Science, 11:10 a.m., Room 339 Davey. L. Passell, Brookhaven, on "Looking at Adsorbed Gases with Neutrons."
HPER, 1 p.m., Room 101 Kern. Dr. John Robinson, Director of Communication Research Center, Cleveland State University, on "Free Time in America: Quantity versus Quality."
Statistics, 4 p.m., Room 271 Willard. Henry Braun, Princeton University, on "Polynominal Bounds for Probability Generating Functions."
Analytical Chemistry, 11 a.m., Room 333 Whitmore. Dr. W R. Supina, Supelco, Inc., on "Hazards in Gas Chromatography."

Monday, Nov. 8
Science, 3:55 p.m., Room 108 Tyson. Dr. William D. Taylor, biochemistry/biophysics, on "Genetics of Polyoma Virus."
Biochemistry, 3:55 p.m., Room 101 Althouse. Dr. Roy Martin, animal science, on "Metabolic and Endocrine Control of Fat and Protein Deposition — Part I."
Part II, Tuesday, 11:10 a.m., Room 101 Althouse.
Philosophy, 4 p.m., Room 101 Kern. Prof. Hans-Martin Sass, University of Bochum, on "The Lehegelian Origin of Karl Marx's Early Concept of Dialectic Materialism."
Organic Chemistry, 8 p.m., Room 333 Whitmore. Prof. Roland Pettit, University of Texas, on "Recent Developments in Organometallic Chemistry."

Tuesday, Nov. 9
Urbanization, 9:35 a.m., Room 318 Sackett. Dr. Lois Hyslop, professor emerita Romance languages, on "Urban Atmosphere Evoked in French Literature of the 19th Century."
Plant Pathology, 9:45 a.m., Room 213 Buckhout. Dr. H. Israel, Cornell University, on "Planthweeds and Plant Cells — Round 1."
Analytical Chemistry, 11 a.m., Room 333 Whitmore. Prof. F. Bruner, Italian National Research Council, Rome, on "Evaluation of Air Pollution by Gas Chromatography."
Food Science, 11:10 a.m., Room 202 Borland. Dr. S. J. Wallner, horticultural physiology, on "Current Concepts of Fruit Ripening."
Air Pollution Control, 2:20 p.m., Room 140 Fenske. Deverne L. Rist, graduate student, plant pathology and air pollution control, on "Sulfur Dioxide Injury to Plants."
Acoustics, 4 p.m., Room 102 Forum. "Is Music Noise?" TV instructional film by the Open University, Great Britain. Introduced by Geoffrey L. Wilson, ARL, and Gordon B. Bienvenue, Environmental Acoustics Lab.
Inorganic Chemistry, 8 p.m., Room 333 Whitmore. Dr. Dennis Forster, Monsanto Co., on "Mechanistic Pathways for the Carbonylation of Methenol in Acetic Acid with Rhodium and Iridium Complexes."

Wednesday, Nov. 10
Agronomy, 8:15 a.m., Room 309 Tyson. S. Bowling, on "Testing Ryegrass for Varietal Purity."
Fuel Science, 4 p.m., Room 304 Mineral Industries. Dr. Edward Kansas, Pittsburgh Mine Research and Safety Center, on "Mathematical Modeling of Heterogenous Coal Dust Combustion."

Thursday, Nov. 11
Chemistry, 12:45 p.m., Room 333 Whitmore. Peter T. Kissinger, Purdue, on "A New Approach to Studies of Aromatic Metabolism: Liquid Chromatography with Electrochemical Detection."
Physics, 2:50 p.m., Room 117 Osmond. Louis Rossanow, NSF, on "A Possible 'New' Quantum System, Spin-Aligned Hydrogen."
Meteorology, 4 p.m., Room 26 Mineral Sciences. John Schaub, graduate student, on "Visual Display Techniques of Sodar Returns."
Ecology, 4 p.m., HUB assembly room. Edmund W. Stiles, Rutgers University, on "Bumble-bee Foraging in 'Aurecalaria pedicularia'."

Friday, Nov. 12
Surface Science, 11:10 a.m., Room 339 Davey. Dr. T. T. Tsong, physics, on "Field Ion Emission."
Populations Issues Research Office, 2:30 p.m., Room 244 Deike. Prof. Joel M. Halpern, anthropology, University of Massachusetts, on "Anthropological Field Work in the Balkans. Experiencing Detente."

Lectures

Thursday, Nov. 4
R. W. Stone Lecture Series, 4 p.m., Room 101 Althouse. Boris Magasanik, biology, MIT, on "Regulation of Bacterial Nitrogen Assimilation by Glutamine Synthetase."

Tuesday, Nov. 9
Alfredo Dias Gomes on "A Influencia do teatro na televisao brasileira de hoje," 7:30 p.m., Rare Books Room, W Pattee.

Meetings

Thursday-Friday, Nov. 4-5
Board of Trustees, Keller Bldg.

Sunday, Nov. 7
Hellandia Folk Dancing, 7:30 p.m., small gym, White.

Monday, Nov. 8
Bridge Club, 6:30 p.m., Room 301 HUB.
HDFS, 8 p.m., HUB assembly room. Dr. Bruce Voeller on current issues in the national gay movement.

Tuesday, Nov. 9
Fixed date meetings involving Commonwealth Campus Faculty.
Faculty Senate, 2:10 p.m., Room 112 Kern.
GSA Council, 7 p.m., Room 101 Kern.

Films

Friday, Nov. 5
An Evening of Japanese Flims, 7:30 p.m., HUB assembly room

Friday, Nov. 5, and Sunday, Nov. 7
Free Shakespeare Film, "A Midsummer Night's Dream" (Diana Rigg, Peter Hall), 6:30 p.m., Room 101 Chambers.

Wednesday, Nov. 10
South Cinema Musical, "The Wizard of Oz," 7:30 and 9:30 p.m., Room 121 Sparks.
Artists Series Truffaut film festival, "Jules and Jim," 8 p.m., University Auditorium.

Wednesday-Thursday, Nov. 10-11
GSA Commonspace Theatre, "Animal Farm" and "1984," 8 p.m., Room 112 Kern.

Exhibits

Museum of Art: Antwerp Drawings from the 16th and 17th Centuries, through Nov. 7. Twenty-Four British Potters. Recent Accessions, Chinese Works of Art. Earlier European Works of Art from the Permanent Collection, opening Nov. 14. Architectural Exhibit, opening Nov. 14.

Museum of Art, HUB Gallery: Super Mud

Women's Exhibit, through Nov. 7.

Zoller Gallery: Work by Edward Adams, opens Nov. 7.

Kern Bldg. Gallery: Canadian Art, through Nov. 13. Sandra Bettinger, Watercolors, through Nov. 6. Ed Legs, Child Photography, opening Nov 7. Grace Pilato, Porcelain, through Nov 6. Jack Troy, Pottery.

Chambers Gallery: Gary Rosine, Drawings and Paintings

New Kensington Campus: Paintings by Stuart Frost, through Nov. 12.

University schedule

Saturday, Nov. 13
Last day to petition to graduate in absentia in November.

Arts roundup

Beethoven program offered

The PSU Symphony Orchestra, conducted by Dr. D. Douglas Miller, associate professor of music, will perform an all-Beethoven program in its first concert of the academic year at 8:30 p.m. on Saturday, Nov. 6, in University Auditorium.

The 72-piece orchestra, composed of graduate and undergraduate students selected by audition, will perform Beethoven's third Leonore overture, the Eroica Symphony, and Concerto No. 5 for Piano and Orchestra in E Flat Major, featuring pianist Pawel Checinski, assistant professor of music.

The Leonore overture is one of four written at different times for different performances of Beethoven's only opera, Fidelio, which was originally called Leonore by its composer. Eroica, Beethoven's third symphony, was written in 1804 and marked an enormous leap forward in terms of the conception of the symphony. The commonly used subtitle of the work was assigned by the composer in dedication to Napoleon Bonaparte.

The fifth concerto for piano and orchestra was composed in 1809, only slightly after the other works on the program. The last of Beethoven's pieno concerti, it is known as the Emperor Concerto, but the origins of that designation are unknown. Mr. Checinski, solo pianist in the work, joined the University music faculty in September. A Polish-born musician, who has performed worldwide, he has been the recipient of numerous major international music prizes.

Quintet to play Nov. 10

The Claremont Woodwind Quintet will perform works by American composers Irving Fine, Wallingford Riegger and Alvin Etler, and French composer Paul Taffanel at 8:30 p.m. on Wednesday, Nov. 10, in the Music Bldg. recital hall.

The three American quintets, Riegger's "Bläserquintett," Fine's "Romanza," and "Quintet II" by Etler, are contemporary pieces. Taffanel's "Ouintette pour instruments a vent' is an extended piece in four movements, one of the few quintets romantic in character, mood, and quality.

Claremont Ouintet members are Dverda Page, flute; Smith Toulson, clarinet; Christeen Dole, French horn; Monte Bedford, oboe; and William Dole, bassoon, all members of the music faculty. Mr. Bedford, a new instructor in the music department, studied at the University of Chicago and the University of Wisconsin.

Chinese art is lecture topic

Walton J. Lord, associate professor of art history, will present an illustrated gallery talk on the Chinese works of art in the permanent collection of the University museum at 10:30 a.m. on Tuesday, Nov. 9, in the Museum of Art at the University. The talk is sponsored by the Friends of the Museum.

Much of Mr. Lord's talk will center on the museum's current exhibit of Chinese art from the Chou to Ming dynasties, a gift from Dr. Ralph Marcove of New York City.

Adams' exhibit opens

An exhibition of work by Edward Adams, associate professor of art, will open with a public reception for the artist from 3 to 5 p.m. on Sunday, Nov. 7, in Zoller Gallery.

Most of the sculptures, wall reliefs, assemblages, and serigraphs to be shown are recent works, but some earlier pieces are included documenting the evolution of the artist's current style.

In a calalog introduction to the exhibition, Lawrence Edwards, head of the Department of Art, defines the theme of Mr. Adams' art as "man, technology, and the world around him" with the human condition a consistent thread through all the exhibited work.

A native of North Carolina, Mr. Adams received the bachelor's degree in mechanical engineering from North Caroline State University. After the war, he studied design at the University of Cincinnati and later at the Institute of Design in Chicago under Laslo Moholy-Nagy and Buckminster Fuller. In 1951 he received the master of fine arts degree from Cranbrook Academy of Art.

Rosine's works displayed

A showing of drawings and paintings by Gary Rosine will be exhibited at Chambers Gallery through Nov 15. Mr. Rosine, an assistant professor of fine art at Brigham Young University, is currently at Penn State to do philosophic research into the nature of art. He is a graduate of Columbia University, where he received an MFA degree in painting in 1967.

Faculty notes

Dr. John K. Gamble Jr., head of the Division of Social and Behavioral Sciences at Behrend College, has been invited by the Soviet Academy of Sciences to be a guest lecturer in the Soviet Union. He will lecture on the United Nations Law of the Sea Conferance and its impact on international relations, a framework for a comperetive view of national marinne policies, and a prediction of future U.S. marina policy. Dr. Gamble has authored or edited five books in the law of the sea area: "Law of the Sea: Cerecas and Beyond," "Law of the Sea: The Emerging Regime of the Oceans," "Low of the See: Conference Outcomes and Problems of Implementation," "Global Marina Attributes" end "Marine Policy: A Comperelve Approach."

Presanting papers at the 62nd Annual Congress of the American College of Surgeons Oct. 11-15 in Chicago were the co-developers of the Penn State pacemaker, **Robert R. Brownlee,** staff systems engineer in Electronic Services, and **Dr. G. Frank O. Tyers,** associate proiessor of surgery at Hershey. Mr. Brownlee talked on "Errects of incressing Pacemaker Sensing Circuit Impedence on R-wave Detection," and Dr. Tyers spoke on "Optional Myocardial Hypothermie at 10-15 Centigrade." With Peut H. Nelf, engineering aide in Electronic Services, they displayed the entire range of Penn State pacemaker developments at the Congress, which is the largest medical meeting in the world and was attended by over 17,000 surgeons.

Three articles by **Dr. John B. Frentz,** associate professor of American history, have recently been published. They include: "The Awakening of Religion Among tha German Settlers in the Middle Colonies," in The William and Mary Quarterly; "Religion In Pennsylvania During the Revolution," in Pennsylvania Heritage; and "Pennsylvania," in The Encyclopedia Americana.

Oscar E. Fox, assistant director of resident instruction at York Campus, has been named associate director of academic affairs at the Campus. Mr. Fox was executive vice president and later president of the Carew Corporation, and president of the Steeline Engineering Corporation, both in York, before joining the Campus in his present capacity in 1968. In 1972 he was named Outstanding Educator in America.

Monty L. Christiansen, associate profassor of recreation and parks and landscape architecture, has been elected to the National Socie y for Park Resources' board of directors. He will serve a four-year term.

Dr. Leonard N. Zimmerman, professor and head of the Department of Microbiology and Cell Biology, has been elected to Fellowship in the American Academy of Microbiology.

Dr. Richard D. Guild, associate professor of industrial engineering, gave a paper, "Effective Sampling Plans — a Bayesian Approach," at the Roches'er Society for Quality Control in Rochester, N.Y., earlier this month.

Dr. John Waldhausen, professor and chairman of surgery at Harshey, has been elected vice presidenf and president-elect of the Pennsylvania Association for Thoracic Surgery.

Dr. Luis F. Gonzalez-Cruz, associate professor of Spanish at New Kensington, has published an article, "Cuban Romanticism: Some Definitions," in Caribe Magazine. He was also appointed to the editorial board of Escolios, a literary megazine published by California State University at Los Angeles.

Dr. Edwin L. Herr, professor and head, Division of Counseling and Educational Psychology, is the author of "The Emerging History of Career Education: A Summary View," published by the U.S. Government Printing Office under the auspices of the National Advisory Council for Career Education and the U.S. Office of Education. The 305-page document includes analysis of administrative, legislative, fiscal and conceptual structures related to career education as well as an overview of professionel and public opinion and criticism of the concept. It has been described by the U.S.O.E. as a "major chronicle" of this movement.

Obituaries

John Henry Frizzell, 95, chaplain emeritus and professor amerltus of public speaking, died Oct. 30. He joined the faculty in 1902 and retired in 1946. During his years at Penn State, Prof. Frizzell accumulated a long string of "firsts." In 1935, he was named the first head of the newly organized Department of Speech. He founded the Eastern Public Speaking Conference, tha parent organization of the national Speech Association of America, and helped found the Pennsylvania Debating League. In 1932, ha established Penn Stete's Speech Clinic, and he was founder and first president of the Pennsylvania Speech Association. Prof. Frizzell was chaplain of the University from 1928 until his retirement and also served as the debale coach. Active in fraternity affairs, he founded the local chapter of his fraternity, Phi Kappa Psi. From his work as chaplain came two books, "Chapel Prayer Book" and "For Days of Crisis."

Joseph C. Nageotte, professor emeritus of dairy husbandry extension, died Oct. 31 at the age of 82. A graduate of West Virginia Universlty, he retired from Penn State in 1956, following more than 25 years on the faculty. He served as a dairy extension specialist in Pennsylvania for 18 years.

Dr. Rayman W. Bortner, 49, professor of human development, died Oct. 30. A member of the faculty since 1968, he took his undergraduate work at Boston University and his Ph.D. in psychology at Western Reserva University. Prior to coming to Penn State, he had been at the University of Chicago and was a research psychologist at the Hampton, Va., Veterans' Administration Center.

Social dedication

(Continued from page one)

She is saddened by the plight of the grants today. "They are still our most exploited workers," she says.

As a result of her childhood experiences, Mrs. Hoffman has retained a concern for the problems of working people in general and one of her tasks at Penn State is setting up and conducting labor education classes for workers — identifying their needs and using the University's resources to meet them.

According to Mrs. Hoffman, the worker may ask for courses in anything from shop steward training to working class literature to sociology.

"Workers have many problems," she explains. "A shop steward may do more social work in a single day than a social worker does in an entire week. For example, how should he or she handle a chronic alcoholic on the job?

"Or a union worker involved in labor negotiations may feel inadequate coming face-to-face with a high-powered corporation lawyer. The shop steward may be helped by a course in sociology, the negotiator by one in basic economics or politics."

Mrs. Hoffman has recently returned from presiding over the annual colloquium of the Oral History Association meeting in Quebec, Canada. During her presidency, the association grew to a membership of over 1,200 persons engaged in oral history projects as diverse as recording maternity for the Presidential libraries to interviewing sharecroppers.

For the future, Mrs. Hoffman is planning a program to pool the efforts of some 50 universities, hoping to attract funds from the National Endowment for the Humanities for interviewing miners and people in mining communities to preserve their stories.

A more immediate goal for her is to make the Penn State faculty aware of the research value of the labor archives and its oral histories. Researchers have come from Massachusetts, California and as far away as Great Britain to make use of Penn State's archives, but archive officials report disappointing use by local faculty.

"Our labor archives," says Mrs. Hoffman, "are more famous at Columbia University than they are here at Penn State. And that's too bad because this is one of the finest oral history collections in the world. It's a tremendous scholarly research tool.

"I think it's a problem of communication," she adds. "If there were a greater awareness of the archives among Penn State faculty, they'd use them."

Confidentiality

(Continued from page two)

A hearing officer will be designated by the (President/Provost) and the student will be afforded a full and fair opportunity to present evidence relevant to the issues of record entry validity. The student may be assisted or represented by an advisor of his/her choice including, at his/her own expense, an attorney. The student will be furnished, within a reasonable time follow ing the hearing, a written decision from the designated hearing officer. In addition, the student is entitled to receive in writing a summary of the evidence and the reasons for the decision.

An adversa decision may be appealed in writing by the student to the Provost of the University, and finally, to the President of the University.

Staff vacancies

This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 863-1367 (network line 475-1367). Applications for these staff vacancies will be accepted until 5 p.m. Nov. 11, 1976. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

PENNTAP TECHNICAL SPECIALIST, CONTINUING EDUCATION — University Park

Responsible for visiting public and private agencies and organizations to assist in identifying and solving scientific and technical problems; providing said services to make research findings available; making referrals to consultants, manufacturers, organizations as e means of increasing economic well-being, and providing the user public with follow-up data as to implementation and impact of specific problem solutions in the physical and natural sciences. Master's degree or equivalent training, plus two to four years of directly related experience with some training and experience in natural resources. Should be capable of handling problems in the physical and natural sciences. Ph.D. is desirable.

Swine Flu Immunization Schedule

	Day 1		Day 2		Day 3		Day 4		Day 5		Day 6	
	Date: Nov. 8		Date: Nov. 9		Date: Nov. 10		Date: Nov. 11		Date: Nov. 12		Date: Nov. 15	
8:00 - 8:29	AAA	ALE	COS	CRO	GRF	GUN	LAQ	LEH	OSX	PAP	SMF	SMI
8:30 - 8:59	ALF	ANT	CRP	DAM	GUO	HAM	LEI	LEW	PAQ	PEA	SMT	SOL
9:00 - 9:29	ANU	BAC	DAN	DEA	HAN	HAR	LEX	LOD	PEB	PET	SOM	SQU
9:30 - 9:59	BAD	BARG	DEB	DEN	HAS	HEL	LOE	LUI	PEU	PLA	SQV	STE
10:00 -10:29	BARH	BAU	DEO	DIG	HEM	HES	LUJ	MAG	PLB	PRA	STF	STO
10:30 -10:59	BAV	BEN	DIH	DOR	HET	HOD	MAH	MARK	PRB	QUI	STP	SUL
11:00 -11:29	BEO	BIL	DOS	DUP	HOE	HOO	MARL	MAS	QUJ	REE	SUM	TAL
11:30 -11:59	BIM	BOE	DUG	EDD	HOP	HUB	MAT	MCB	REF	REX	TAM	THO
ONE HOUR BREAK												
1:00 - 1:29	BOF	BLZ	EDE	END	HUC	IND	McC	McD	REY	RIS	THP	TOM
1:30 - 1:59	BMA	BOS	ENE	EZZ	INE	JAM	McE	McK	RIT	RON	TON	UTS
2:00 - 2:29	BOT	BRD	FAA	FEL	JAN	JOH	McL	MER	ROO	ROZ	UTT	VEN
2:30 - 2:59	BRE	BRN	FEM	FIT	JOI	KAL	MES	MIL	RPA	RYN	VEO	WAK
3:00 - 3:29	BRO	BRU	FIU	FOR	KAM	KEA	MIM	MIT	RYO	SAU	WAL	WAR
3:30 - 3:59	BRY	BUT	FOS	FRE	KEB	KEN	MIU	MOP	SAV	SCHL	WAS	WEH
4:00 - 4:29	BUU	CAN	FRF	GAL	KEO	KIN	MOQ	MOY	SCHM	SCHW	WEI	WME
4:30 - 4:59	CAO	CAR	GAM	GEN	KIO	KLI	MOZ	MYD	SCHX	SEL	WHF	WILK
ONE HOUR BREAK												
6:00 - 6:29	CAS	CHA	GEO	DIL	KLJ	KOO	MYE	NEW	SEM	SHA	WILL	WIS
6:30 - 6:59	CHB	CKZ	GIM	GOL	KOP	KRL	NEX	NUN	SHB	SHR	WIT	WOZ
7:00 - 7:29	CLA	COR	GOM	GOU	KRF	KZZ	NUO	OLI	SRS	SIN	WPA	YOS
7:30 - 7:59	COI	COR	GOV	GRE	LAA	LAN	OLJ	OSW	SIO	SME	YOT	ZZZ

Quality, flexibility important in graduate education, President says

The number of graduate students at Penn State will remain more or less steady in the years to come, but more important than numbers, President Oswald told the annual meeting of the graduate faculty last month, is that the quality of graduate education be maintained and strengthened while the University retains the flexibility to move into new areas.

In tracing the course of graduate education both at Penn State and nationally from the 1950s to the present — and also taking a look into the future — the President highlighted certain immediate concerns and found some hopeful signs on the horizon.

"In the years of 1960 to 1975, no part of our universities underwent a more fundamental change, both quantitative and qualitative, than did our graduate schools and their ability to produce not only scholars but also to be active producers and developers of new knowledge," the President told his audience. "In 1960, there were 10,000 Ph.D.s awarded annually; in 1975 this figure was 33,000 . . . .

"During this same period, U.S. support for the overall research and development effort in our country moved from about $12 billion in 1960 to close to $40 billion in 1970."

The President recalled the demands the nation's space program, following Sputnik, put upon the educational system during these years, noting that because national priorities were pretty well understood and pretty well set at that time education, as a servant of society, was viewed as successful in meeting those priorities.

"Education then looked pretty good," the President pointed out. "But when there is no agreement on national priorities and they are under active debate . . . education, as a servant of a society that is in disarray concerning its national priorities, does not look so good."

Dr. Oswald then enumerated a series of concerns "about what is happening in graduate education and research in this country, particularly in the past five years."

Heading his list was the drastically reduced number of new academic positions, which has naturally resulted in a leveling of graduate enrollments. In 1971, the President said, there were 5,234 graduate students at Penn State, a figure which has hardly varied over the past five years. (The current number is 5,386.)

"There is no question about the impact of the demography of the future," Dr. Oswald continued, "the leveling of undergraduate enrollments and the impact this has had upon the graduate schools."

Another concern, according to Penn State's President, is more subjective — that the brightest minds are not necessarily going into our graduate schools. At the same time, there is a falling off of financial support for graduate students. In 1971, 33 percent of Penn State's graduate students were self-supporting; this year, 42 percent are. Fellowship holders have dropped from about 10 or 11 percent to 5.8 percent since 1971.

Research support is also declining, a situation which Dr. Oswald attributed in part to the deep alienation which developed in the late 1960s between the world of scholarship and research and the world of government. Lack of continuity in research support has forced discontinuation of research teams at many universities, he said, adding that two years ago the State of Pennsylvania was extremely reluctant to increase support for organized research in the University budget.

Increasingly, government is demanding mission-oriented research, the President said, pointing to difficulties raised by Wisconsin Senator William Proxmire over so-called "silly titls" basic research projects. Further complicating universities' efforts to fund basic research are disputes over indirect costs — with faculty telling Congressional committees that since such monies are not returned to their departments or colleges they can be eliminated.

"Yet we are directed at the state level to place indirect costs recovered directly into the support of our budget in the same way that tuition and other general income are part of the basic fundamental income picture," Dr. Oswald emphasized.

Still another problem is the increase in the number of federal and state regulations, leading to additional expenditures and paper work in such areas as unemployment insurance, extension of social programs into universities and affirmative action.

Dr. Oswald noted that "we are caught in real financial pressure within the institution between growing undergraduate enrollments and dwindling revenues. Indeed, there are many . . . who feel that somehow or other in this crunch we are in, and it is a crunch, graduate education has gotten the short shrift; and somehow most of the money is directed only to education of new under-

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PENN STATE
intercom
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Provost names search committee for new H. D. dean

A search committee has been named to identify qualified candidates to replace Dr. Donald H. Ford as dean of the College of Human Development, according to Dr. Russell E. Larson, provost.

The committee will consider all potentially qualified persons and, upon conclusion of its review by mid-March, will submit a list of five or six names to the Provost.

Paul D. Woolley, associate professor of health planning, will chair the committee. Other members are: Daniel Katkin, associate professor of law; Stuart H. Mann, associate professor of operations research; Hugh Urban, professor of human development and psychology; and Carl E. Young, assistant professor of human development, all of whom represent the faculty.

Administrators who will serve are James M. Beattie, dean of the College of Agriculture; Robert E. Dunham, vice president for undergraduate studies; Evan G. Pattishell Jr., associate provost for health education and professor and chairman of behavioral science at Hershey; and Theodore R. Veltfort, assistant dean for research and graduate studies and professor of human development.

Adria R. Sherman, graduate student in nutrition, and Robert L. Kidder, manager of the engineering division who will serve as an ex-officio member, complete the committee.

Dr. Ford announced in August his plans to relinquish his duties as dean of the College of Human Development Sept. 1, 1977, to devote full time to teaching and research.

$1,000 reward offered

University officials have announced a $1,000 reward for information leading to the apprehension and conviction of persons responsible for bomb threats against University buildings. In announcing the reward, President Oswald expressed concern that "certain types of people will resort to this device to disrupt the normal processes of this institution. "Such threats are serious criminal acts," he said, "and are not to be tolerated as simple pranks or means of evading academic tasks."

Nine bomb threats have been made against buildings of the University in recent weeks, six of them against Henderson.

Trustee actions

Gift funds allocated

An allocation of $73,750 in undesignated gift funds contributed to the University by alumni and friends, has been approved by the trustees, thus making possible nine different projects and programs.

To support, in part, the residency of the Pennsylvania Ballet during Nittany Mountain Summer, 1977, $20,000 was allocated. Other funds to support cultural offerings include $1,500 for honorariums to distinguished film critics for the Penn State Invitational Film Festival in November; $2,250 to provide Penn State's share of matching funds for a photographic exhibit by the National Endowment for the Arts; and $2,500 to purchase video cassette equipment for the Kern Graduate Commons.

A beautification project at the Library/Learning Center at the University's Delaware County Campus, Media, was allocated $6,000, to be matched by an equal amount from local sources. And $3,500 was allocated to help provide support for the Department of Political Science to host the Conference on National Security and Foreign Policy in 1977.

Funds designated for other projects include $3,000 to develop workshops provided by the School of Journalism for Pennsylvania newspaper personnel, especially those working on smaller papers; $15,000 to help match a $57,000 grant to the Department of Art from the Ford Foundation to provide grants-in-aid to talented studio artists and to teachers for independent study and/or creative endeavors related to their talents and interests, and $20,000 toward construction costs of the new addition to the Helen Eakin Eisenhower Chapel.

Combined programs expanded

Two more Pennsylvania State Colleges — Mansfield and California — have joined with the University in combined liberal arts and engineering degree programs which will enable their students to qualify for baccalaureate degrees from Penn State as well as their colleges.

The new programs are similar to those previously instituted between the Colleges of Engineering and Earth and Mineral Sciences at Penn State and other Pennsylvania liberal arts colleges, including six State Colleges.

(Continued on page four)

No date yet for union election

A date for a collective bargaining election for faculty of the University has not yet been determined. However, in light of recent developments on the question of the definition of a voting unit, an election could occur as early as March, according to University administrators.

News briefs

New scholarship announced

One applicant will be selected from each of the states to receive the Herry S. Truman Scholarship recently established by Congress. The scholarship provides the student with up to $5,000 a year. Each institution of higher education in a state may nominate one student who must be a junior pursuing a bachelor's degree and have at least a B average. Candidates must be U.S. citizens and enrolled in an undergrouate field permitting admission to a graduate program leading to a career in public service. The application deadline is Nov. 19, and inquiries should be addressed to the director of the University's search committee, Dr. Robert S. Friedman, 865-7515.

HUB term break schedule

During the fall term break, the HUB Terrace Room will be closed Saturday and Sunday, Nov. 20-21, and will raopen for lunch ONLY (with a satad bar) Monday through Wednesday, Nov. 22, 23 and 24. It will close again on Nov. 25, 26 and 27, reopening with regular hours Sunday, Nov. 28.

Kern open during break

Kern Bldg. Cafeteria will be closed Thanksgiving Day during tell term break, but will offer service from 7:30 a.m. to 2 p.m. Monday through Wednesday, Nov. 22-24 and on Friday, Nov. 26. On Saturday, Nov. 27, the hours will be 7:30 a.m. to 1 p.m.

United Way drive slows

The early optimism expressed by United Way officials at the University has faded as the pace of giving in the last couple weeks has slowed. "As we approach the campaign's Thanksgiving wrap-up, the University is $16,500 short (as of Nov. 5) of its $97,000 goal," according to Rey Fortunato, University drive chairman and assistant vice president for personnel. Though there are new givers this year, the

(Continued on page four)

On Nov. 4, The Pennsylvania State University Professional Association (PSUPA) amended its petition for a collective bargaining election to restrict the voting unit to faculty members (academic class 4 personnel). The amended petition also eliminated all academic administrators (including department heads and comparable positions) and non-teaching professionals (staff exempt personnel) from the requested unit.

This amended petition is in accord with the University's initial position regarding the appropriate definition of an academic voting unit.

The American Association of University Professors (AAUP), an intervenor in the hearings, did not agree with the decision to exclude department heads and equivalent positions from the voting unit, and has not concurred with the unit as defined in the amended PSUPA petition. Hearing examiner Sidney Lawrence indicated, however, that he will not permit the AAUP an opportunity to present testimony on its position.

The amended petition, and the definition of the academic voting unit which was developed by the University and PSUPA consistent with the amended petition, did not resolve the question regarding the inclusion or exclusion of faculty in the College of Medicine. The voting unit definition submitted for the record, with the status of the College of Medicine still at issue, provides for the following unit.

"All academic personnel of the University appointed on regular positions at all University locations which shall include the titles of professor, associate professor, assistant professor, instructor, librarian, associate librarian, senior assistant librarian, assistant librarian, senior research associate, research associate, research assistant, and lecturer."

The term "regular" covers personnel on Standing Appointments and Fixed-Term I Appointments. Also to be included in the voting unit are academic personnel on a Fixed-Term II Appointment who teach nine or more course credits for each of two consecutive terms within an academic year or 19 or more course credits over three

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PENN STATE COLLECTION

Faculty notes

The Voice of America broadcast a half-hour interview on Oct. 3 with **Dr. Hugo A. Meier,** associate professor of history, on the topic, "Thomas Jefferson and a Democratic Technology." An article by Dr. Meier on the same topic will be published in translation in various languages by the Voice of America and the U.S. Information Service for use in overseas publications and broadcasts as part of the VOA "Forum" series.

Dr. Harry R. Allcock, professor of chemistry, recently presented three invited lectures on the use of new inorganic macromolecules to biomedicine. He spoke at The Polytechnic Institute of New York, Brandeis University, and the Eastman Kodak Laboratories in Rochester.

Dr. David P. Daniel, assistant professor of history at Behrend College, spoke on "Wittenberg and the Lutheren Reformation in Slovakia" Oct. 30 at a joint meeting of the American Academy of Religion and the Association for Reformation Research in St. Louis, Mo.

Dr. Dan Ronan, assistent professor of theatre and film, delivered an invited research paper at the New Directions in Performing Arts Festival, sponsored by Actor's Lab, last week in Hamilton, Ontario. The paper, titled "Experimental Theatre," deals with the aesthetic analysis of trends in experimental theatre.

Dr. C. Dale Therrien, associate professor of biology, presented a seminar, "Apogamic Induction in the Plasmodial Slime Mold 'Didymium Iridis': Cytophotometric Measurement of the Nuclear DNA Content of Induced Apomicts," at the University of Maryland on Oct. 22.

Dr. Warren W. Hassler Jr., professor of American history, is the author of "Military History: The Army's Pivotal Study," an article in the October issue of Military Review.

Dr. Edward J. Walsh, assistant professor of sociology, is the author of "Proposition 14: Property Rights vs. Human Rights," an article in the October issue of America.

Dr. Roy P. Mateliski, professor of soil genesis and morphology, has retired with emeritus rank after nearly 20 years on the faculty. He has organized and led a program of soil research and teaching to supplement the cooperative College of Agriculture-U.S. Department of Agriculture-Pennsylvania Department of Environmental Resources soil mapping and characterization program. He has also helped develop and train one of the strongest professional groups in the U.S. in the area of soil genesis and morphology.

Prior to his appointment at Penn State in 1957, Dr. Mateliski served ten years on the agronomy faculty at the University of Nebraska. He has published 151 technical and semi-technical articles, and had a patent liied with the U.S. patent office. A native of LaCrosse, Wisc., Dr. Mateliski earned his B.S. and M.S., majoring in soils, at the University of Wisconsin. He holds a Ph.D., also in soils, from Michigan State.

Dr. Frank A. Haight, professor of statistics and transportation, has been named associate director of the Pennsylvania Transportation Institute at the University. Dr. Haight has been associated with the Institute since 1969. Prior to that date, he was senior lecturer in mathematics at Auckland University College, New Zealand, and research mathematician at the Institute of Transportation and Traffic Engineering, University of California. Author of some 50 research papers, he is founder and co-editor of two journals, "Transportation Research" and "Accident Analysis and Prevention."

The five research divisions in the Pennsylvanie Transportation Institute heve been officially changed to research programs and their former division heads have assumed the title of program director. At present, the institute's research programs and the respective directors are:

Automotive Research, **Dr. John J. Henry,** associate professor of mechanical engineering; Human Factors Research, **Dr. Richard A. Olsen,** assistant professor of human factors in engineering; Transportation Systems, **Dr. Joseph L. Carroll,** professor of business admunistration; Accident Analysis, **Dr. Haight;** and Public Transportation, **Dr. James H. Miller,** assistant professor of business logistics.

Dr. Arthur F. Krieg, professor of pathology and director of clinical laboratories at Hershey, was elected to the board of editors of the American Journal of Clinical Pathology.

Applicants sought for posts

Behrend division head

Behrend College is seeking a head for its Division of Natural Science and Engineering. Applications and nominations should be submitted to: Search Committee, Office of the Dean of Faculty, Behrend College, The Pennsylvania State University, Station Road, Erie, Pa 16510.

The division head is an educational leader, responsible for direction of programs in resident instruction, continuing education, research and creative endeavors. Development of an appropriate array of courses and the recruitment and retention of able staff are also part of the job.

Candidates should have an earned doctorate, an outstanding academic record and a demonstrated capacity for academic leadership, including the ability to work with other units of the University, with faculties with academic backgrounds in many disciplines and interested in academic programming and staff development. Candidates should be familiar with laboratory procedures and have a discipline background in such areas of study as chemistry, biology, engineering or physics. The academic rank would be at the associate professor/professor level. Application must be received by Jan. 9, 1977, and the appointment is effective July 1, 1977.

Graduate School associate dean

Because Dr. Henry Sams will retire on June 30, 1977, the Graduate School is seeking to fill the position of associate dean which he occupies. This is a part time appointment, since the Associate Dean maintains some of his/her present academic program responsibilities. The responsibilities of this position include coordination of the ongoing Graduate Program Review effort. Experience should include participation as a senior member of the graduate faculty and some modest experience in academic administration.

Faculty members interested in being considered for this position should send a brief vita to Prof. Paul Nelson, Chairman, Search Committee, Room 211A Buckhout Laboratory.

Dr. Robert J. Bresler, associate professor of social science and political science at Capitol Campus, has been appointed to the board of trustees of the Society for the Advancement of Education. Comprised of professionals in the field of education, the society publishes Intellect Magazine, of which Dr. Bresler is national affairs editor. Dr. Bresler has an A.B. from Earlham College and an M.A. and Ph.D. from Princeton.

Two faculty members at the University presented papers before the Association for the Study of Afro-American Life and History in Chicago, Ill., Oct. 27-31. **Dr. Cyril E. Griffith,** associate professor of history and director of the Black Studies Program, spoke on "Martin R. Delany, Emigrationist Advocate." **Dr. Beverly J. Lindsay,** assistant professor of education in the Division of Educational Policy Studies, presented a paper, "Career Aspirations of Kenyan Women: Some Preliminary Considerations."

An etching, "Morning Light," by **Linda Plotkin,** assistant professor of art at the University, has been selected for the forthcoming invitational print exhibition, "Thirty Years of American Printmaking," to open at the Brooklyn Museum on Nov. 20.

Two professors in the Department of Religious Studies presented papers at the annual meeting of the Society for Scientific Study of Religion in Philadelphia last month. **Dr. Paul M. Harrison's** topic was "Toward a Premeturgical Interpretation of Religion; Erving Goffman, Kenneth Burke." **Dr. C. Conrad Cherry** discussed "Nature and Nation: The Placing of the American Republic."

Dr. Teh-wei Hu, professor of economics, is an editor of the book, "International Health Costs and Expenditures," published by the National Institutes of Health. The book details proceedings of a conference organized by Dr. Hu while he was a visiting research professor last year at the Fogarty International Center for Advanced Study in the Health Sciences. Comparisons of health costs and expenditures among European and North American countries are provided.

Dr. James M. Rambeau, assistant professor of English, has written an article, "The Fiction of Zora Neale Hurston," published in the summer issue of The Markham Review.

Dr. George Conner, chief of otorhinolaryngology, has been elected to membership in the American Neurotology Society.

Educators changing the 'chalk and talk' approach to art

As a Penn State undergraduate in the early '50s, Robert W. Ott didn't have to worry about getting students and visitors to relate to works of art on the campus.

In those days, he recalls, Old Main's land-grant mural was almost the only original piece of art around.

The passing of 25 years has happily changed that situation and plunged Dr. Ott into a relatively new and rapidly expanding area — aesthetic education and the training of museum docents.

"For a long time, art education in our schools was heavily weighted toward making art," explains Dr. Ott, who has three degrees in art education from Penn State. "In our museums, the people who concentrated on education were largely concerned with documenting works of art from an historical point of view.

"That's very important, but in terms of the public's response, it often led to what we call the 'walk and gawk' or 'chalk and talk' approach to art. What was missing was the individual aesthetic response. Appreciation was secondary to knowledge."

Dr. Ott initially became interested in helping people enjoy art works as a teacher in the Harrisburg public school system. He worked with the William Penn Museum as well as with a private gallery in Harrisburg, taught at Capitol Campus from 1969 to 1971 and then moved to University Park as an assistant professor of art education. With the opening of Penn State's Museum of Art, he saw an opportunity to link philosophy and practice.

A member of the board of directors of the Friends of the Museum, Dr. Ott helped establish one of the first training programs for docents last year. He brought to this program the experiences which he had gained as an international post-doctoral student at the University of London, where he studied art education programs at the Victoria and Albert Museum, the National Portrait Gallery and the Tate Museum. He developed the first course in museum education at the University of London, rewrote its syllabus and taught "Schools and Museums" as a 498 course at Penn State last year. (The Senate is now considering his prospectus for permanent inclusion in the curriculum.) Dr. Ott has also been appointed an educational research associate at the Royal Ontario Museum in Toronto to help make that institution's collection more responsive to the public.



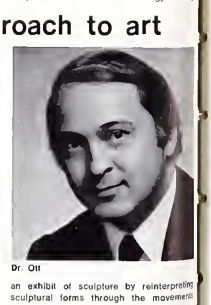
The Museum is accepting registrations for its free Docent Education Program directed by Dr. Ott. The only qualification for applicants is that they be members of the Friends of the Museum. A partial schedule includes:

Jan. 11 — Making museum tours meaningful.
Jan. 25 — Guiding visitors at exhibitions.
Feb. 1-2 — Training at Washington's National Gallery.
Feb. 8 — Innovating tours for effective results.
Feb. 22 — Services and resources for docents.

"Aesthetic education doesn't depend on access to a major museum in a large city, however," Dr. Ott maintains. "The challenge is to teach people's initial reactions by teaching them how to see as they learn about a work of art. At our museum, we get all kinds of groups on tours — schoolchildren from the elementary grades through high school, crowds killing time after a football game, or visitors in town for a conference."

To capture such varied — and frequently only half-interested — audiences, docents usually divide the hour-long tours they offer into thought-watching and image-watching episodes. Dr. Ott explains:

"Visitors to the museum aren't necessarily always focused to the art works they are going to see. Since appreciation is such a personal, independent thing, the docent may need to refocus their interest back on themselves, to create a sort of meditative state. A good docent learns to sense the readiness of a group. The football crowd may need calming down. On the other hand, a group of schoolchildren who have had a long, boring bus ride may need to be stimulated. There are many techniques to accomplish this — theatre games or dance movements, for example. At the Tate, I worked with a dance teacher in preparing children to look at



Dr. Ott

an exhibit of sculpture by reinterpreting sculptural forms through the movements of their bodies."

In the second or image-watching stage, the docent tries to elicit personal interpretations and then to build on those impressions with scholarly knowledge. Usually, no more than two pieces of artwork are analyzed in an hour, and then visitors are encouraged to go off on their own.

"No matter what the visitors' entry level — kindergarten to golden ager — a teacher can come into the above system," points out Dr. Ott. "But the docent should never try to tell viewers that they must like something. Our goal is to give visitors the feeling by the time they are ready to leave the museum that they are truly a part of it and to make them want to return again for more study.

"An education program in a museum can never be more than what the art is," Dr. Ott concludes. "We can't do anything the art itself will not allow us to do."

University Park Calendar

Special events

Friday, Nov. 12
FSHA 410 dinner, "Contamporary Garman," 5:30 p.m., Maple Room. Reservations: 865-7441.
Penn State Invitational Springboard Diving Championship Maat, Women's 3-Mater Event, 8 p.m.
GSA Coffeehause, 8 p.m., Room 102 Kern.
Marcus Chubbuck, piano, 8:30 p.m., Music Bldg. recital hall.

Saturday, Nov. 13
Penn State Invitational Springboard Diving Championship Meat.
Inter-Religious Affairs hunger awaraness Thanksgiving experience, 7 p.m., multi-purpose room, Eisanhower Chapel.

Sunday, Nov. 14
Sports: Men's cross country, Eastern USTFF Championships.
PSOC Hiking Division, exploration on Nisked Mnt. north and east of R. B. Winter State Park, 9 a.m.
Chapel Service, 11 a.m., Eisenhower Chapel. Daniel Walden, English Dept.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Pastor Gerald G. Loyd.
"Gospel Fastival 1976," a concert of Christian gospel and sacred music, 7 p.m., University Auditorium. Sponsored by the Black Christian Fellowship and other campus Christian groups.

Monday, Nov. 15
Color Slide Club, 7:30 p.m., Room 112 Kern.

Thursday, Nov. 18
Faculty Women's Club Lecture Series, 1:30 p.m., Memorial Lounge, Eisenhower Chapel.

Friday, Nov. 19
Children of Divorce, bag lunch, 11:30 a.m.-1:30 p.m., main lounge, Eisenhower Chapel.

Sunday, Nov. 21
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Elder Steve Green, State College.

University schedule

Saturday, Nov. 13
Last day to petition to graduate in absentia in November.
Monday, Nov. 15
Classes end, 9:55 p.m.
Last day for signing Fall Term Emergency Loans, Room 108 Shields.
Tuesday-Saturday, Nov. 16-20
Final examinations.

Seminars

Friday, Nov. 12
Surface Science, 11:10 a.m., Room 339 Davey. Dr. T. T. Tsong, physics, on "Field Ion Emission."

Populations Issues Research Office, 2:30 p.m., Room 244 Deike. Prof. Joel M. Halpern, anthropology, University of Messachusetts, on "Anthropological Field Work in the Balkans: Experiencing Datante."

Monday, Nov. 15
Biochamistry, 3:55 p.m., Room 101 Althouse. Dr. Stanford Moore, Rockefatler University, on "Experiments Stemming from Research with Pancreatic Ribonuclease."

Genetics, 3:55 p.m., Room 108 Tyson. Dr. Roland Yasbin, microbiology and cell biology, on "SOS Repair and Transformation on Bacillus subtilis."

Philosophy, 4 p.m., Room 174 Willard. Prof. Heinz Kotar, University of Vienna, on "Some Remarks on Hegel's Concept of History in 'The Phenomenology of Spirit.'"

Tuesday, Nov. 16
Inorganic Chemistry, 8 p.m., Room 333 Whitmore. Dr. Mortimer M. Labes, Temple University, on "Polymeric SN1."

Thursday, Nov. 18
STS/Two Culture Dialogue, Faculty Club. Noon lunch; talk, 12:45 p.m., by Prof. Joseph Kockelmans, philosophy, on "Distributiva Justice in Relations between States."

Friday, Nov. 19
Surface Science, 11:10 a.m., Room 339 Davey. G. Rosenblatt, chemistry, on "Energy Transfer Mechanisms in Gas-Surface Collisions."

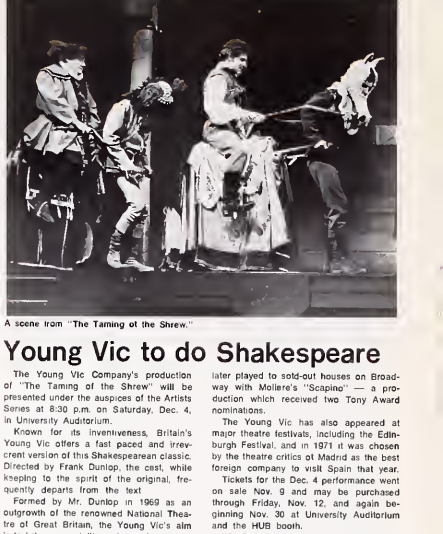
Exhibits

Museum of Art: Twenty-Four British Potters. Recent Accessions, Chinese Works of Art. "From Gothic to Baroque," opening Nov. 14. Contemporary Figurative Paintings from the Permanent Collection, opening Nov. 14.

Zoller Gallery: Work by Edward Adams, through Nov. 15.

Kern Gallery: Canadian Art, through Nov. 13. Ed Leos, Child Photography, through Nov 20. Jack Trey, Pottery.

Chambers Gallery: Gary Rosine, through Nov. 17.



A scene from "The Taming of the Shrew."

Young Vic to do Shakespeare

The Young Vic Company's production of "The Taming of the Shrew" will be presented under the auspices of the Artists Series at 8:30 p.m. on Saturday, Dec. 4, in University Auditorium.

Known for its inventiveness, Britain's Young Vic offers a fast paced and irreverent version of this Shakespearean classic. Directed by Frank Dunlop, the cast, while keeping to the spirit of the original, frequently departs from the text.

Formed by Mr. Dunlop in 1969 as an outgrowth of the renowned National Theatre of Great Britain, the Young Vic's aim is to bring new vitality and experimentation to classical and modern theatre. The company scored a triumph in 1974 when it visited New York's Brooklyn Academy and later played to sold-out houses on Broadway with Moliere's "Scapino" — a production which received two Tony Award nominations.

The Young Vic has also appeared at major theatre festivals, including the Edinburgh Festival, and in 1971 it was chosen by the theatre critics of Madrid as the best foreign company to visit Spain that year.

Tickets for the Dec. 4 performance went on sale Nov. 9 and may be purchased through Friday, Nov. 12, and again beginning Nov. 30 at University Auditorium and the HUB booth.

"Oedipus," which will be presented by The Young Vic Company on Friday, Dec. 3, as part of the Theatre-Dance Series, has been completely sold out.

WPSX highlights

The many and often conflicting images of freedom cast by the United States from the Revolutionary period to the present are the subject of "Freedom. Then, Now and Tomorrow," an hour-long documentary produced by WPSX. It will be shown at 9 p.m. on Thursday, Nov. 18, on Channel 3.

Throughout the Bicentennial year, the Freedom: Then, Now and Tomorrow project has initiated a series of community-based town meetings. The meetings were sponsored by community groups, with discussion leaders and materials provided by Continuing Education at Penn State.

More than 800 town meetings have been held, and ideas generated by their participants are the basis of "Freedom's Prospect," a Penn State Television special that will also be aired Nov. 18 — at 10 p.m.

Narrated by Broadway actor Christopher Murney, "Freedom: Then, Now and Tomorrow" includes an epilogue by Dr. Norman A. Graebner, who served as a distinguished visiting professor of history at Penn State last year and directed the entire Freedom project.

The film begins in St. John's Church in Richmond, Va., site of Patrick Henry's famous speech, and includes footage shot in Boston, Philadelphia, Monticello and Harper's Ferry as narrator Murney looks at the founding fathers' views of freedom. Later challenges to freedom of expression and thought — from World War I to the present — are also depicted.

Phillip Dettra, assistant professor of music, is the host of **Impressions in Music**, a three-part series of music by composers from the impressionist period. The series returns to Channel 3 at 8 p.m. on Saturday, Nov. 13, and the first half-hour concert features three works by Gabrial Faure.

A new, nine-part cantata by Pulitzer Prize-winning composer Glan Carlo Menotti is performed on **Menotti: Landscapes and Remembrances**, an hour-long special program at 7 p.m. on Sunday, Nov. 14. The work, commissioned for the Bicentennial, is an autobiographical statement of Mr. Menotti's 40 years in America. It is performed by the Bel Canto Chorus and the Milwaukee Symphony Orchestra.

Staff vacancies

Staff vacancies in this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in the INTERCOM may be found in the Penn State REPORTER. All University employees who are interested in promotion may apply by calling the Employment Division, 863-0397 (network Line 475-0397). Applications for these staff vacancies will be received until 5 p.m., Nov. 18, 1976. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

ASSISTANT BUDGET SUPERVISOR (INCOME OPERATIONS), CONTINUING EDUCATION — University Park

Responsible to the Budget Supervisor for the maintenance of income accounting for general funds and restricted funds budgets. Supervise staff of accounting clerks responsible for receipt and processing of student registrations and associated tuition and fees deriving from a state-wide system of educational programs and community service activities for Continuing Education. Assist in development and periodic review of annual operating budgets. Bachelor's degree, or equivalent, preferably in accounting, plus one to two years of directly related experience in general accounting.

PERSONNEL OFFICER, HUMAN DEVELOPMENT — University Park

Responsible for planning, implementing, and maintaining college personnel program. Provide liaison between college divisions and Office of Personnel Administration in matters such as job classification, technical service, clerical and staff hiring, policy interpretation, and employee benefits. Process letters of offers to faculty and staff, initiate personnel action forms, supervise maintenance of personnel statistics. Bachelor's degree or equivalent, plus one to two years of directly related administrative experience in an academic setting.

RESEARCH AIDE (METALLURGY), EARTH AND MINERAL SCIENCES — University Park

Responsible to the Chairman, Metallurgy Section, for assisting with research projects, setting up laboratory equipment, instructing students in the operation of laboratory equipment and the general maintenance and operation of sectional laboratories. A bachelor's degree, or equivalent, in metallurgy with one to two years of directly related experience.

Graduate education

(Continued from page one)

graduate students. I submit that this is not the case. That is certainly not our goal in the allocations."

But having listed these areas of concern, Dr. Oswald looked to what he termed "very hopeful things on the horizon and even beyond the horizon."

He said that he believes the alienation between the world of scholarship and that of government is over, that "there is no hostility now." In support of this view, he reported that funding of basic research in the National Science Foundation budget last year was increased by $60 million and the National Institutes of Health budgets went up some $200 million. He also took note of increasing support for the National Endowment for the Arts and the National Endowment for the Humanities. In addition, the Office of Science Advisor was reinstated by law in the Office of the President. Dr. Oswald was present at the signing of this bill in his capacity as president of the prestigious Association of American Universities, a group which includes 46 major American research universities. In that capacity he had actively supported the measure.

Dr. Oswald also mentioned that in discussions recently with faculty in Penn State's College of Science, he found considerable support for reinstitution of explorations of graduate education — such as the Roose-Anderson reports — to emphasize the importance and quality of graduate education and research in this country.

Turning briefly to the subject of program review, Dr. Oswald said:

"Penn State has not had nearly the financial problems that many institutions have had — where serious personnel cuts of existing faculty have occurred; and I don't see this in the future. Nevertheless, in the past five years, we have had to pull between $11-12 million out of our basic operating budget and reallocate it into mandated costs, such as increased staff benefits. Essentially, we have cut across the board in each college and department. All of us know that you can do that only so often without really hurting areas in a qualitative way. And so as we look down the road, in another few years we must be in a position to make some sound judgments about programs we offer. And I submit that we are developing the best information possible on which to base those judgments. That is the whole purpose of program review. It was not set up to serve as a budgetary ax but rather to prepare ourselves to make choices in the future. . . . I know that this (review) has taken faculty time; it probably has taken too much faculty time. . . . But I think we have to continue it, while trying to avoid impinging too much on an individual faculty member's time."

The President pledged himself to support efforts to provide opportunities for minorities in Penn State's graduate programs and noted that nationally the Association of American Universities has requested the Secretary of Health, Education and Welfare to put at least $15 million in the federal budget next year for the support of programs to recruit and support qualified women and minority students in graduate schools.

He concluded by noting that analysis of figures in the so-called Snyder Report show that at University Park the average faculty member spends between one-half and two-thirds of his/her time in graduate education and research.

"I think that the faculty time involved with graduate education and research emphasizes that these are very significant and principal missions of our institution," the President said, stressing that currently the two highest priorities at the University for available temporary monies are equipment and libraries — not necessarily in that order — and that both relate to Penn State's research mission.

News briefs

(Continued from page one)

hold up in reaching the goal lies in the large number of previous donors who have failed to give this year. Questions about giving should be directed to drive subchairpersons in your particular college or division.

Speakers Bureau offers services

Does your community know about the recently formed Penn State Speakers Bureau? "Community awareness is vital if we are to share our resources successfully throughout the State," says Ken Hershberger, manager of the bureau. Mr. Hershberger notes that many civic, service and religious groups "are beginning to plan their 1977 programs now. One of the best ways to notify these groups of the existence of the Speakers Bureau is by wordof-mouth mention by campus faculty and staff." Brochures listing the bureau's 270 speakers and 725 topics are available from contacts at each campus. For information, please contact your campus director.

Ostermayer dedication held

The new science building at the McKeesport Campus was dedicated in memory of Robert W. Ostermayer Sr. on Tuesday, Oct. 26. Mr. Ostermayer, former president and chairman of the board of the Pennsylvania Industrial Chemical Corp., served as a member of the McKeesport Campus Advisory Board from its formation until his death in 1975. A 1917 graduate of Penn State, he received the Distinguished Alumnus Award in 1954 and was a University trustee from 1959 to 1963.

Hunger-awareness experience

The Committee on Inter-Religious Affairs is inviting the entire University community to a hunger-awareness Thanksgiving experience from 7 to 8 p.m. on Saturday, Nov. 13, in the Multipurpose Room of the Eisenhower Chapel.

Still time to teach in Free U

Persons with a skill or hobby which they would like to share with others by teaching a Free University course can still make the December catelog Deadline for contacting the Free U is Friday, Nov. 12, in Room 223 of the HUB or at 863-0038.

Hospital accredited

Hershey Medical Center's Hospital has been accredited for a two-year period by the Joint Commission on the Accreditation of Hospitals.

No election date

(Continued from page one)

terms within an academic year.

The voting unit would exclude: part-time faculty; academic administrators; those holding the title "visiting," "adjunct," "affiliate" or "clinical" in conjunction with their academic titles; post-doctoral fellows and scholars; faculty associates; academic personnel hired to work exclusively at a location outside of the Commonwealth of Pennsylvania; and all management, supervisory and confidential employees as provided in the Pennsylvania Public Employe Relations Act.

PSUPA has indicated that it will not introduce new testimony on the inclusion or exclusion of the College of Medicine. Hearing examiner Lawrence has requested that the University and PSUPA file their legal briefs on the question of the College of Medicine by Dec. 15. The AAUP's brief, due at the same time, may also argue the status of department heads and comparable positions. Meanwhile, hearings have been scheduled for Dec. 5 and 6 to 10 in the event that any issues are uncovered which were not addressed in the stipulated definition.

After receiving all legal briefs, the hearing examiner must file his recommendations to the Pennsylvania Labor Relations Board (PLRB), which issues the final Decision and Order for an election. The Decision and Order will provide a ruling on the status of academic personnel in the College of Medicine and specify dates for holding an election. Four to six weeks are usually provided for the election campaign. During the election, which could be held next spring, academic personnel may vote on whether to seek collective bargaining representation by either the AAUP or PSUPA, or to continue the current pattern of relationships through No Representation.

Trustee actions

(Continued from page one)

Under the three-two plan, students will spend three years or the equivalent at Mansfield or at California enrolled in liberel arts courses along with some pre-engineering courses in the basic sciences, and two years at Penn State, completing specified engineering programs. Those successfully completing the program will receive the appropriate baccalaureate degree from each institution.

According to Dr. Nunzio J. Palladino, dean of the College of Engineering at the University, the program allows a student to complete e liberel arts-engineering program in five years instead of six years or more.

The majors offered at Penn State under the program are aerospace engineering, agricultural engineering, ceremic science, chemical engineering, civil engineering, electrical engineering, engineering science, environmental engineering, industrial engineering, mechanical engineering, metallurgy, mining engineering, nuclear engineering, and petroleum and natural gas engineering.

Other Pennsylvania colleges joining with Penn State in similar efforts include Allbright, Elizabethtown, Gettysburg, Lycoming, Saint Vincent, Seton Hill, and Westminster; East Stroudsburg, Edinboro, Lock Haven, Millersville, Shippensburg, and Slippery Rock State Colleges; and Lincoln University

Beaver plans okayed

Final plans for the consiruction of a Laboratory Building at Beaver Campus were approved by the board. Scheduled for completion in mid-1978, the building will be constructed with a $946,000 allocation by the Pennsylvania Department of General Services.

The board, advised of the completion of the Brodhead Natural Center at the Beaver Campus, also expressed in a resolution "its gratitude and appreciation to all those organizations and individuals involved in making this attractive and functional complex a reality."

According to Dr. Joseph P. Giusti, director of the Campus, the Laboratory Building will provide more then 16,000 square feet of floor space on two levels. The first floor level will have a file sciences area including a general biology laboratory, microbiology laboratory, preparation rooms, an environmental room, animal housing end a greenhouse. Multi-purpose classrooms will be located on the second level, and there also are a small lecture hall and faculty offices.

One the features of the building will bo a seismic pier for locating a seismograph. The Beaver Campus is one of four locetions across the State working with the seismograph laboratory at University Park in recording earth tremors.

Delaware County gets go-ahead

Final plans for the Library-Learning Center at the Delaware County Campus were approved by the Board of Trustees.

The building, which has hed the highest priority among building needs of the University, will be constructed by the Pennsylvania Department of General Services with an allocation of $2,574,000. The architectural firm is Geddes, Brecher, Qualls and Cunningham, of Philadelphia

Designed with two levels, the building will provide a total of 47,000 square feet ol floor space. In addition to the library, it will house audio-visual and other learning center facilities. Plans also include classrooms, seminar rooms, faculty offices, and typing rooms for use by students.

John D. Veiro, director of the Campus, says the new structure will provide space for both resident education and continuing educational activities and will also make possible expansion of the services of the Campus to the community.

New Shaeffer scholarships

To aid candidates for the master of business administration degree, the Charles W. Shaeffer Scholars Fund has been established at the University. Gelsing-Fos for the program have been provided by Mr. Shaeffer, who is chairman of T. Rowe Price Associates, a University trustee, and chairman of the Penn State Fund Council.

The program has been established with an initial gift of $50,000. Each award, which will normally be $2,000, will be granted for one year and will not be renewable. Consideration for scholarship awards will be given to all students who have applied and have been accepted as M.B.A. candideies, with special attention given to encouraging applications from outstanding individuals who otherwise might not apply to Penn State.

Shaeffer Scholars will be selected on the basis of demonstrated potential for academic and professional distinction by the student awards subcommittee of the MBA coordinating committee, with the approval of the University's Director of Student Aid.

Mr. Shaeffer, a native of York, is a 1933 graduate ot Penn State with a B.A. in commerce and finance. He received his M.B.A. from Harvard Business School in 1935 and an honorary Doctor of Laws degree from Loyola College In 1973. He was honored, also in 1973, as a Distinguished Alumnus of Penn State, and the previous year was presented the College of Business Administration Alumni Achievement Award. In 1973, he was among the first graduates of the University to be invited to the campus as an Alumni Fellow. He currenily serves as a member of the Alumni Council.

Building renamed

The Radio Astronomy Bldg., located along Fox Hollow Rd., has been designated Special Services Bldg. by authorizing a change in name, the Board of Trustees noted that the building no longer is used for radioastronomy research. The Audio-Visual Services of Continuing Education will be headquartered there, although a small office will remain in Willard Bldg. as a convenience to faculty users. Offices of the Institute of Public Safety, also a Continuing Education unit, now located In Shields Bldg., will be moved to Special Services, and the Applied Research Laboratory will utilize space there for energy systems testing.

Sawmill to be dismantled

The sawmill operated by the School of Forest Resources in the Stone Valley Experimental Forest as part of the forestry program will be dismantled. Much ot the equipment now is considered obsolete and other teaching facilities are available.

Funding sources

For further information, call 865-1372

(247-1) The Office of Education has published proposed regulations for centiect awards under the **National Diffusion Network Program**, designed to promote exemplary educational programs at the elementary and secondary school levels. Two approaches are used: **Developer-Demonstration Projects** to produce training materials and provide training to adopers, and the **Facilitator Projects** to disseminate information and provide technical assistance. Comments are requested by Nov. 17. (Ref. 41FR45134, 10/18/76).

(247-2) The Office of Education has set Dec. 9 as the deadline for first- and second-year applications for the **Handicapped Learning Disabilities/Model Demonstration Centers Prefects.** Ten first-year and 40 second-year projects are to be funded. (Ref. 41FR45363, 10/20/76) (CFDA 13.526).

(247-3) The Office of Education has published proposed amendments to the Emergency School Aid Education Television regulations. New funding categories have been scheduled, award amounts raised, and program criteria made more independent. Comments are requested by Dec. 6. (Ref 41FR45317-18, 10/20/76) (CFDA 13.530).

(247-4) The Office of Education has published proposed regulations for the **Women's Educational Equity Program,** soliciting ideas and recommendations. The three current priority areas are: modules on sexism, educational leadership, and career preparation. Two additionally proposed priorities are FY1977 only: school age group and target populations. General comments on priority areas, administrative procedures, small grants, and general grant-making open-ended) are also solicited. Comments are requested by Dec. 6. (Ref 41FR45317-18, 10/20/76) (CFDA 13.565).

(247-5) The **National Endowment for the Arts** has published preliminary notification and application information for its program of **Challenge Grants** to be awarded to museums and "artistic institutions." These grants are te serve as new and increased sources of continuing income. Eligible organizations include museums (art, history, and science), dance companies, orchestras, and other art and theatre groups. The program deadline is Jan. 3. (Ref. 41FR45532-64, 10/22/76)

(247-6) The Office of Education has published proposed regulations and a Feb. 8 deadline for **Centralized Grants to Eligible Projects in Vocational Education.** Comments on the proposed regulations must be received by Dec. 6.

(247-7) The DHEW Health Resources Administration has announced FY1977 public and allied health professions programs and deadline dates: **public health training (formula) grants,** Jan. 15, **general purpose traineeships,** Dec. 1; **short-term traineeships,** Dec. 1; **special improvement grants,** Jan. 14; **special project grants,** Feb. 1; and **short-term training institute grants,** Jan. 24, Call 202-496-5607 for application materials. (Ref. 41FR45634, 10/22/76).

Nursing site chosen

Trustee approval wes given to e site ti the $5 million nursing education building to be constructed at University Park an also to sketch plans for the building.

The building will be located east of the south unit of the Henderson Human Development Bldg., north of East College Ave., and to the west of the service drive that provides entry to the Brown H planning area.

A small one-story unit on the east end of the Henderson Human Development Bldg. will be removed to make possible the siting of the new building, which will be connected to the Henderson Human Development Bldg. at ground level.

As designed by Esbach Glass Kelly and Associates, Philadelphia, the building will be a cruciform four stories high, with a total floor space of 68,786 square feet. The exterior will be of red brick with a slate-like, sloped roof.

Hershey-Elizabethtown link

An affiliation between the College of Medicine and the Hershey Medical Center Hospital for Children and Youth has been approved by the trustees and the Pennsylvania Department of Health.

Elizabethtown is the 11th hospital and first state hospital to have a major affiliation with Penn State's medical school. The two institutions will plan and conduct a variety of educational programs for medical students, residents and staff to be held in both Elizabethtown and Hershey.

Dr. Harry Prystowsky, provost and dean at Hershey, said, "This formal association between Pennsylvania's newest medical school and university hospital and Elizabethtown Hospital, a pioneer in the care of children end youth with crippling disease, offers unique educationel and patient care opportunities."

Other hospitals having major affiliations with the College of Medicine are Altoona Hospital, Clearfield Hospital, Geisinger Medical Center at Danville, Good Samaritan Hospital at Lebanon, H. T. Cooper Institute for Facial-Facial Anomalies at Lancaster, Harrisburg Hospital, Polyclinic Hospiltal at Harrisburg, St. Joseph Hospital at Lancaster, St. Joseph's Hospital at Reading and Waynesboro Hospital.

Keller fund set up

The Edward L. Keller Memorial Scholarship Fund has been established at the University with an initial gift of $8,500 provided by the Class of 1925, colleagues, friends, and members of the family of the late Mr. Keller.

A 1925 graduate of Penn State, Mr. Keller, who died on May 31, 1975, had headed the Continuing Education program of the University from 1953 until 1964 and from 1964 until his retirement in 1969 was vice president for public affairs.

In awarding the scholarship, consideration will be given to all students, graduate and undergraduate, full-time and part-time who are enrolled at the University for either regular or extended degree courses and who have achieved superior academic records or manifest promise of outstanding success.

Consideration also will be given to Continuing Education staff members enrolled in the adult/continuing education doctoral program or who are participating in an Internship assignment at the Washington, D.C., office of the National University Extension Association. Mr. Keller in 1964-50 was national president of the association.

The number and amount of scholarships awarded annually will be based on the amount of earnings from the fund and will be determined by the University Senate Committee on Scholarships and Awards which will select the recipients with the approval of the Director of Student Aid. If awards ere made to continuing education staff members, approvel of the Vice President for Continuing Education will be required.

New track site approved

Trustees approved e site for a new track to replace the track in Beaver Stadium, to be located south of the stadium near the Land and Water Research Bldg., west of Porter Road. The old track will disappear when the stadium is enlarged. Plans call for completion of the new track in time for the spring 1978 outdoor track season.

PENN STATE intercom

Volume 5, Number 58 November 18, 1976

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule



Penn State's poultry salesroom will have 300 birds available for the holidays.

Students must sign waivers before grades can be posted

Provost Russell E. Larson told the University Faculty Senate last week that posting grades by name or number without a student's permission is not allowed under the Buckley Amendment on confidentiality of student records.

"The law says you cannot post grades along with a student's name, social security number or University matriculation number," Dr. Larson explained, "unless students sign a waiver permitting it."

The Provost said the University is looking into the possibility of posting grades along with a "class number" that would be known only to the professor and the individual student.

The Provost's comments were made during discussion of the University's final exam policy and alleged abuses of it by some professors. John J. Coyle, Senate chairman, said a "period of adjustment" was foreseen by the Senate when it enacted the policy, which says 10th-week exams must be "narrowly limited" in scope.

Chairman-elect Thomas E. Daubert reviewed discussion by the Senate which took place last spring when it made an attempt to define "narrowly limited," and he concluded that the Senate was speaking of tests covering about 10 to 20 percent of a term's material.

The Senate also approved continuation of the Veterans Special Admission Policy for three years because of the program's success. It allows Pennsylvania veterans who were once dropped from institutions of higher education because of poor scholarship to enroll as provisional students. Of 44 who were elevated to degree status since the program began in July 1975, all but two have maintained grade point averages above 2.0.

Patricia M. Overdeer, chairperson of the Senate Committee on Planning and Development, reported on the budget plan and State appropriation request for 1977-78.

Among the policies upon which this request was based was one stating that "any new or expanded program initiatives will be provided for as far as possible through reallocation of existing resources."

Budget Officer Chalmers G. Norris said in response to a question that it is correct to assume this policy will continue over the next several years since no increase in enrollment is projected. He said enrollment growth has been a factor which in the past influenced the State legislature to increase the University's appropriation. He does expect increases for inflation to continue, however.

One senator asked what percentage of a $13.5 million request for inflationary increases would go the faculty. Mr. Norris said there is no precise calculation yet and noted that the item includes salaries,

(Continued on page four)

News in brief

Winter parking regulations

Winter parking regulations for nighttime parking on campus will begin on Wednesday, Dec. 1, and continue until March 15. Most faculty-staff parking areas will have signs posted at the entrance stating "No Parking 2:30 a.m. to 6 a.m." The no parking regulation will be in effect whether or not snow is on the ground.

If snow should accumulate before Dec. 1, or after March 15, faculty, staff and students are requested not to park vehicles overnight in posted snow removal parking areas.

Overnight parking is permitted in parking areas not posted for snow removal, but vehicles must be moved by 7 a.m.

Baltimore gives Althouse Lecture

Dr. David Baltimore, 1975 Nobel Prize winner in physiology or medicine, delivered the third annual Paul M. Althouse Memorial Lecture at Hershey on Nov. 10. His topic was "Synthesis of Proviral DNA by Reverse Transcriptase."

The lectureship, established in February 1974, honors Dr. Althouse, who was provost of the University at his death in 1972 and previously a professor of biochemistry, director of general education and vice president for academic affairs.

Pattee space available

Members of the faculty who wish to obtain Study Space Assignments in Pattee Library for the winter term should note that the assignments will be made on a first-come, first served basis Monday, Nov. 29, beginning at 7:45 a.m. in Room 106 Central Pattee. There are only 44 such spaces. Further questions should be directed to Cordelia Swinton, 865-5420.

Occupation tax to be withheld

As was the case last year, the University will withhold the Occupational Privilege Tax of $10 from all employees based at University Park who are liable for the tax. Since the University will be able to obtain a 2 percent discount for prompt payment, it will pass this savings on to each employee. For faculty and staff members paid on a monthly basis, the tax of $9.80 will be withheld from their pay checks dated Nov 30. For all other employees — technical-service, graduate assistants and wage payroll — the deduction will be made from their paychecks dated Nov. 19.

If any employee wishes to appeal liability for his tax, he or she should apply directly to Paul D. Bender, Tax Collector, 250 East Beaver Ave., State College, Pa. 16801.

Department Heads are asked to make sure that their wage earners are aware of this tax.

Williamson on search committee

Dr. Jenet Williamson, associate professor and head of the Department of Nursing, also will serve on the search committee to screen candidates to replace Dr. Donald H Ford as dean of the College of Human Development.

Holiday exhibits asked

"Holiday Festival III: An Intercultural Celebration" is a campus-wide event celebrating holidays throughout the world. As part of the celebration, the Commons Gallery is exhibiting International artifacts from around the world. If you wish to place any pieces in this exhibit please contact Larry Zulebe, Room 113 Kern Bldg., 865-1678. Nativity scenes and Christmas ornaments are especially desired, and the deadline for entries is Dec. 1.

Phone card key to mailing list

All full-time faculty and staff members are entitled to receive either INTERCOM or REPORTER. Anyone who does not may make use of the Office Address and Telephone Information Form G22.1 to have his/her name added to the mailing list. This is the only way an employee can be added to the computerized master lists. The Head Secretary in each office will have these

(Continued on page three)

First newspaper institute to be held

A Newspaper Press Institute, the first in an experimental series, will be held at the University next fall under joint sponsorship of the School of Journalism, the Pennsylvania Society of Newspaper Editors and the Pennsylvania Newspaper Publishers' Association. The PNPA Foundation has approved a $3,000 grant for the three institutes, es has Penn State's Board of Trustees.

The institute is being coordinated by Dr. William L. Dulaney, professor of journalism.

According to Dr. Arthur M. Barnes, director of the School of Journalism, the money will be provided through the Office of Gifts and Endowments from undesignated funds contributed by alumni.

Current plens call for five-day programs offered three times a year with an enrollment limit of 20. Sessions would be operated on the basis of job classification and would occasionally cover advertising or business topics as well as editorial-news concerns.

The sponsors of the institute hope to hold the fee package to less than $200 so small dailies and weeklies can participate.

The faculty, according to Dr. Dulaney, will consist of experts in various fields, mostly from Pennsylvania newspapers, journalism schools and agencies.

Possible topics for the institutes include layout and readability; keeping young readers; publishing processes and problems; business, finance and real estate reporting; and editorial ethics.

The first institute is tentatively set for October of next year.

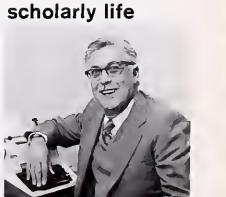
A not-so-quiet scholarly life

No one was more surprised then Dan Laurence when he opened his New York Times several Sundays ago and discovered a story about himself in it.

Midway through a placid 10-week stint as a Fellow of the Institute for the Arts and Humanistic Studies, Mr. Laurence become a newsmaker because of his resignation as both literary advisor to the George Bernard Shaw estate and editor of Shew's "Collected Letters." The action ended a 17-year association.

"Although the Shaw estate implied to the Times' reporter that I resigned in a huff," Mr. Laurence says, "my resignation was in fact tendered a full year ago."

In retrospect, he believes that part of the problem was that the estate's trustees apparently thought he was merely meneuvering for a stronger bargaining position and didn't take his ultimatum at face value. Accordingly, they professed great surprise when a copy of his letter of resignation surfaced in the London Times Literary Supplement on Oct. 8.



"I had been negotiating directly and indirectly through my London publishers for 13 months, so the letter of resignation should have come as no shock," Mr. Laurence contends. "But that's exactly what is at issue here — my inability to negotiate on any point without months and months

(Continued on page four)

PENN STATE COLLECTION

Faculty notes

Two Penn State scientists, Dr. Lloyd Jackman, professor of chemistry, **and Dr. Paul A. D. de Maine,** professor of computer science, have received awards from the Alexander von Humboldt Foundation of West Germany for study and research in thet country. According to the Foundation, the awards are granted to outstanding U.S. scientists to promote closer scientific cooperation between the United States and West Germany.

Dr. Jackman will spend three tarms et the Institute for Organic Chemistry at the University of Warzburg researching applications of nuclear magnetic resonance spectroscopy. Dr. de Maine, who previously held e von Humboldt eward in 1974-75, has been grented another speciel award to conduct research at the Max Planck Institute in Munich for six months. In addition, both men will lecture and participete in the educational programs of the von Humboldt Foundation. Dr. Jackmen, a member of the Penn State faculty since 1967, is a specialist in the application of nuclear magnetic resonance spectroscopy in organic and physicel orgenic chemistry. Dr. de Maine maintains interdisciplinary interests in physicel chemistry and computer science and has been a member of the Penn State faculty since 1968.

Dr. Robert Lewis, associate professor of individual and family studies, has been invited to be a visiting professor in the faculties of the social and behavioral sciences at Uppsala University, Sweden, during spring term 1977. He will give graduate seminars in the field of recent family research. The appointment will also make possible some collaboration with Swedish and other European colleagues on cross-cultural research dealing with married and non-married cohabitation, sex roles, and equality between males and females in various countries. Dr. Lewis has been invited to be a visiting scholar at the Center for Family Studies at Arizona State University during winter term 1976-1977.



Leland H. Bull, assistent director of the Cooperative Extension Service and professor of agriculture, will retire Jan. 1 with 39 years of service. A former Pennsylvania Secretary of Agriculture, he previously served as special assistant to the Dean of the College of Agriculture.

Prof. Bull, a native of Watertown, N.Y., received his B.S. at Penn State in 1937 and later served for nine years as an assistant county agent. He was Deputy Secretary of Agriculture from 1955 to 1958 in the Leeder administration and then was named assistant director of the Southwest Extension Region. He was appointed Secretary of Agriculture by Gov. Scranton in 1963 and reappointed by Gov. Shafer in 1967.

Mr. Bull played a key role in organizing and establishing the Keystone International Livestock Exposition in 1957, the Pennsylvania All-American Dairy Show in 1964, and the Pennsylvania Junior Dairy Show in 1958. He also initiated the use of harness racing funds for 4-H development programs. As Secretary of Agriculture, he spearheaded efforts to develop increased foreign trade, quality production and direct marketing for farmers. He initiated a comprehensive state meat inspection program, and, through harness racing funds, developed needed research projects with matching monies from agribusiness.

Dr. Richard B. Gregg, professor of speech communication, was e guest lecturer at the University of Delaware on Nov. 4. His topic was "Television, Rhetoric, and the Presidency: A Study in Public Myth and Perception," and he also gave a colloquium on "Rhetoric As a Wey of Knowing: New Directions in Contemporary Rhetorical Theory." An authority on political speaking and the image politicians projects through the mass media, Dr. Gregg was one of the scholars interviewed by CBS-TV about the Ford-Carter debates.

Dr. Karl E. Spear, associate professor of ceramic science, is the author of e chapter, "High Temperature Reactivity," in a new book, "Treatise on Solid State Chemistry," Vol. 4. Published by Plenum Publishing Corporation, the book is edited by N. B. Hannay. Dr. Spear also presented a recent Invited lecture, "Phase Relationships and Crysial Chemistry and Metel Boride Systems," at RCA's David Sarnoff Research Center, Princeton, N.J.

Dr. Howard B. Palmer, professor and chairman of the fuel science section in the Department of Material Sciences, has been elected Fellow of the American Physical Society in recognition of his research in the area of chemical physics. Dr. Palmer's research interests include flames and combustion processes, kinetics and mechanisms of fast gaseous reactions, production and spectroscopy of electronically excited species, radiative recomb nation of atoms, and solar gas turbines for power production.

Dr. Arnold Muller, associate professor of medicine and chief of emergency medicine at Hershey, has been elected to the board of directors of the Americen College of Emergency Physicians.

Dr. Parris H. Chang, professor of political science, will discuss "What's Going on in China" as a guest of Willam F. Buckley's "Firing Line" at 11 p.m. on Monday, Nov 29. The program will be aired on Channel 9. The Public Broadcasting Service will carry the program on Nov. 20, but it will not be shown locally.

Yele French Studies includes an article on "Structural Dynamics in a Third Work Classic: Aime Cesaire's 'Cahier d'un Retour eu Pays Natel'," by **Dr. Thomas A. Hale,** assistant professor of French and comperetive literature.

Dr. S. Edward Stevens Jr., assistant professor of microbiology, and his wife, Dr. Catherine L. R. Stevens, recently presented invited seminars at the Smithsonian Institution Rediation Biology Laboratory in Rockville, Md. They discussed aspects of nitrogen metabolism in blue-green algae and pigment mutations of blue-green algae, respectively.

Aaron Druckman, associate professor of philorophy, gave a paper, "Sports and the Humanity of Women" at the Immacuiate Conference on Women in Sports held this month.

Dr. Allen T. Philips, professor of biochemistry, presented a seminar at the Department of Chemistry (Biochemistry Division), University of Deleware, Nov. 8. His talk was titled "Mechenistic Aspects of Urocanase Catalysis."

Appointments

Philip F. Kable as pert-time professor of plent pathology during Lawrence's academic year. B.S., M.S., Sydney U.; Ph.D., Connell U. He is a senior research scientist with the New South Wales Department of Agriculture, Sydney, Australia.

Eric R. Birdsall as assistant professor of English at Shenango Valley. B.A., California State College at Los Angeles; M.A., Ph.D., Johns Hopkins U.

S. V. Krishnaswamy as assistant professor of physics. B.Sc., Poona U.; M. Tech., I.I.T., Bombay; Ph.D., Penn State. Formerly research associate at Penn State.

Kwadwo A. Osseo-Asare to assistant professor of material sciences. B.S., M.S., and Ph.D., U. of California-Berkeley. Former project leader for Amax Inc. Extractive Metellurgy Lab in Colorado.

A COMPARISON OF PARTICIPATING TAX-SHELTERED ANNUITY COMPANIES AT THE PENNSYLVANIA STATE UNIVERSITY

	FEATURES AND PROVISIONS BEING COMPARED	EQUITABLE	TIAA-CREF	VALIC
GENERAL PROVISIONS	Total annuity contracts in force.	Not available.	Approximately 1,000,000.	Approximately 100,000.
	Total corporate assets of the company.	$19.8 billion.	$9 billion.	$495 million.
	Limitation on withdrawing funds.	No limit on number or amount for fixed; minimum of $300 for variable.	Cashable (SRA) contract permits one withdrawal every six months; minimum of $1,000.	No limit on number or amount.
	Limitations on transferring funds between fixed and variable accounts.	Not presently permitted.	Variable to fixed only after age 55 or retirement date if earlier; $1,000 minimum.	No restrictions; no charge.
	Availability of individual counseling advice.	Provided by general agents; visits, mail, telephone.	Provided by home office; mail, telephone.	Provided by company reps; visits, mail, telephone.
	Death benefits.	Beneficiary receives greater of the account value or deposits.	Beneficiary receives the account value.	Beneficiary receives greater of the account value or deposits.
FIXED ANNUITY	Expense charge on each contribution	15% first year; 7% thereafter.	3.5% non-cashable contract; 4.0% cashable (SRA) contract.	5%
	Interest rates - current and past 5 year average.	7.12% - 5.16%	7.5% - 7.28%	8% - 7.38%
	Interest rate guarantees.	3%	2.5%	4% (10 years) 3.5% (thereafter)
	Growth of account using $100 monthly deposits.			
	--account value after 5 years	$ 6,427*	$ 6,996* (non-cashable)	$ 6,974*
	--account value after 10 years	$15,421*	$17,038* (non-cashable)	$17,221*
	--account value after 20 years	$46,171*	$52,160* (non-cashable)	$54,402*
	Amount of annuity payable using $100 monthly deposit.	MALE FEMALE	MALE (non-cashable) FEMALE	MALE FEMALE
	--with 5 years of participation (at age 60 and 65)	$ 624 - 684 $ 564 - 624	$ 687 - 735 $ 639 - 687	$ 696 - 756 $ 660 - 696
	--with 10 years of participation (at age 60 and 65)	$ 1,500 - 1,632 $ 1,368 - 1,500	$ 1,628 - 1,756 $ 1,507 - 1,603	$ 1,740 - 1,872 $ 1,632 - 1,740
	--with 20 years of participation (at age 60 and 65)	$ 4,512 - 4,908 $ 4,128 - 4,488	$ 4,535 - 4,859 $ 4,233 - 4,497	$ 5,496 - 5,916 $ 5,172 - 5,496
VARIABLE ANNUITY	Expense charge on each contribution.	8.5% first 5 years; 7% thereafter.	1.75% non-cashable; 2% cashable.	5%
	Expense charge on each benefit check paid.	None	1.5% on income payments	None
	Investment results (gains-losses) past 5 years.	1975 +26.6% 1974 -28.9% 1973 -10.7% 1972 +23.1% 1971 +26.3%	1975 +32.06% 1974 -30.96% 1973 -18.15% 1972 +17.07% 1971 +20.25%	1975 +22.95% 1974 -27.79% 1973 -24.12% 1972 +20.92% 1971 +11.25%
	Average gain or loss for past 5 years	+7.28%	+4.06%	+3.21%

*The values shown are based on current interest rates, expense factors, and annuity rates and are not guarantees of future results.

Individual faculty and staff members at University Park Campus who are interested in obtaining information about the University's tax-deferred annuity program in November may visit or contact the following offices:

The Equitable Life Assurance Society
301 South Allen Street
(814) 234-1921

The Teachers Insurance and Annuity Association
Employee Benefits Division
133 Willard Building
(814) 865-1473

The Variable Annuity Life Insurance Company
Room 319, Hetzel Union Building
(814) 234-3686

Faculty and staff members at locations other than University Park may obtain information about the three participating companies by following the instructions provided by each company in their general mailing or by contacting the Employee Benefits Division. Representatives from the insurance companies will also visit locations where enough interest is indicated to warrant a group meeting.

A concise factsheet prepered by the University to compere general provisions of the three tax-deferred annuity plens is available from the Employee Benefits Division and is reproduced above.

The University has used due care and caution in the preparation of this meterial. The information wes obtained from sources believed to be accurate and reliable, but because of the possibilty of human and mechenical error, its accuracy or completeness is not guaranteed. Individuals having further questions should contact the appropriate agent of the insurance carrier.

Elsewhere in academe

Ivy education evaluated

Undergraduates may get no more from an Ivy League education than from that provided by less selective, academically weaker schools, according to new tests devised by Harvard, Wesleyan and Boston university psychologists to measure intellectual skills and mental qualities. The tests indicate that higher education in general fails to increase students' ability to learn new material and that Ivy League students do not benefit more "in any consistent way" from college than their less capable peers. However, in such areas of intellectual activity as forming concepts and constructing effective arguments on both sides of an issue, undergraduate education does improve students' abilities, and more at Ivy League schools than at less selective institutions. The tests also revealed that by the time they are seniors, women at Ivy schools have developed a much greater feer of success than they had as freshmen and that the most outstanding students in college are the ones most likely to be unhappy 10 years after graduation.

$35 million to Carnegie-Mellon

An anonymous donor has left his entire estate — $35 million — to Carnegie-Mellon University, giving that institution a nice start on its new $100 million fund-raising campaign.

Minority enrollments up

Between 1972 and 1974, the number of minority-group students attending colleges and universities rose 11.7 percent, although total enrollments during that period increased by less than 2 percent.

18 doctoral programs cut

Seven public Louisiana universities which grant graduate degrees have been ordered to terminate 18 of their doctoral programs by the Louisiana board of regents. Basing its decisions on evaluations of the quality of each individual program and on the need for doctorates in the area, the regents axed Ph.D. programs in fields ranging from economics and mathematics to business administration and education.

Schorr at Berkeley

Daniel Schorr, who recently resigned as a reporter for CBS News after refusing to tell Congress how he obtained a secret report on government intelligence, is now a visiting professor at the University of California at Berkeley.

Co-ed housing

A nationwide survey by James Olmstead, assistant director of housing at the University of Idaho, found that coeducational housing is being provided by 73 percent of the 339 colleges and universities contacted.

Useful courses

The courses they took in business administration, English and psychology are the ones most useful in their jobs, some 4,100 Class of 1966 college graduates told a College Placement Council study. They also recommended college courses in economics, accounting and math as important tools for success in the business world. Very few graduates felt their education had provided sufficient training for their jobs, the study found. More than half reported they do not use their major frequently, and they tended to utilize their nonmajor courses even less.

Purchasing power drops

Pennsylvania was one of 10 states where appropriations for higher education represented a loss of purchasing power over the past two years, according to a study compiled by The Chronicle of Higher Education. While overall state appropriations rose 24 percent during this period, to keep pace with the combined surge of prices and enrollments, appropriations would have had to increase by more than 30 percent. States where purchasing power of state funds declined include: Maine, down 17 percent; Vermont, 14 percent; New York, 7 percent; Illinois and New Jersey, 6 percent; Wisconsin and Georgia, 3 percent; South Carolina and Michigan, 2 percent; and Pennsylvania, 1 percent. States in which the purchasing power of higher education appropriations increased by 20 percent or more were: Texas, 49 percent; North Dakota, 33 percent, Oklahoma, 24 percent; Nebraska and Nevada, 23 percent; Idaho, 21 percent; Arkansas, Alabama and Hawaii, 20 percent.

FTC investigates tutors

The Federal Trade Commission has decided to investigate companies offering crash courses for college entrance tests to high school students. Their object is to determine whether or not coaching can increase test scores and if so, whether the amount of increase is as great as advertised.

Writing tests added

The College Entrance Examination Board is adding two permanent measures of writing ability to its testing program. Henceforth, college-bound students will face a 20-minute essay section to be administered as part of the English composition achievement test — which is now made up entirely of short-answer, objective questions. A previously experimental test of standard English writing, which has been undergoing testing during the last three years, is also being added. This is a short-answer, objective exam.

SUNY reinstates Greeks

After a 23-year ban, the State University of New York is ready to allow national sororities and fraternities to establish chapters on its 64 campuses. SUNY's trustees after e year's "careful study" professed themselves satisfied that the national organizations no longer permitted discrimination or promoted exclusivity.

Tenure decision reversed

Fordham University's faculty senate, for the first time in the history of the school, has granted tenure to a faculty member whose application was rejected by his own department. The Rev. Raymond A. Schroth, an associate protessor in the communications department, had the support of Fordham's president, the Rev. James C. Finlay, as well as of numerous students and faculty, who maintained tenure had been denied him for personal rather than professional reasons.

Publications Policy

In response to recommendations offered to the Department of Publications by its program review committee, the department has updated its policy. Changes, as approved by the President of the University, are incorporated in the revised policy, which appears in full below.

Purpose: To provide professional publication services through the Department of Publications to all academic and administrative units.

General: The Department of Publications is the University agency assigned the responsibility by the President of the University for the coordination of the University's publications program. The department provides professional editorial, design, and production services to all departments and divisions of the University to help ensure that publications carrying the Penn State imprint contribute positively to the University's image of educational service and excellence. By applying consistently high editorial and design standards to each publication, the department works with the academic and administrative units in striving for a total University publications program of coherent quality while at the same time striving for the most effective use of funds expended for publications manufacture. Therefore, all publications of any kind intended for distribution to the public, including each issue of all periodicals, are to be submitted to the University Editor prior to publication.

University Editor: The Director of Publications, who is also the University Editor, is the administrative officer of the Department of Publications. Faculty and staff are encouraged to consult with the University Editor for suggestions and advice in the planning of a publication. Provisional approval for a publication can be obtained during the early or conceptual stages of preparation in order to avoid later major changes and unnecessery expenses.

Approval Procedure: The University Editor or an authorized alternate will examine proposed publications to assure that they:

1. will reflect credit upon Penn State by meeting the high editorial and design standards expected of e University publication;
2. do not duplicate or conflict in content or intent with any other University publication;
3. do not contain information at variance with established University policy.

When the University Editor approves a document for publication, an approval number is assigned and appears somewhere on the printed publication, usually on the back cover or on the last page. All publications to be processed for printing require approval and assignment of the approval number. A record of the "U.Ed." approval number, the title of the document, the responsible college or department, and the date of issuance is kept by the University Editor. The University Editor may delegate authority for approving publications to qualited personnel.

Publication Costs: Except for specific publications of an all-University nature which are included in the budget of the Department of Publications, the departments initiating the publication bear the cost of printing and other manufacturing processes. Editorial, production, art, and design services are provided at no charge to the initiating department.

Information Circulars: Information circulars describing particular curricula or research programs are limited to four single sheets 9" x 12" in size, or the equivalent (i.e., a twenty-four page 4" x 9" brochure or a sixteen-page 6" x 9" brochure). In rare instances, exceptions to this limitation may be justifiable. Appeal for an exception will be directed through the Director of Publications to the Vice President for Administrative Services.

Texts: The services of the Department of Publications are not required for texts, monographs, and articles written by faculty and staff for publication by outside publishers or in scholarly journals.

Student Publications: Publications by chartered student organizations are governed by the policy stated in "Policies, Rules, and Procedures for Student Organizations." Student publications are not submitted to the University Editor, nor are services, other than advisory, provided for these publications.

University Stationery: University letterhead stationery is a standard design throughout the University end must be obtained from Printing Services. Exceptions to the policy must have the approval of the Vice President for Administrative Services.

News briefs

(Continued from page one)

forms, which are also availlable from the Personnel Representatives.

When employees move from one department to another, the new department should make certain that Form G22.1 is completed so the publications can be readdressed and delivered.

Historic data available

The Penn State Room in Pattee Library has a number of duplicate sets of the Annual Report of the Pennsylvania State College (1886-1917) and the Undergraduate Catalog (1859-1977) which are now slated for disposal. If any office or department on campus would desire a set of these reports or catalogs, they should contact Lee Stout, Penn State Room Archivist, et 865-7931 within the next two weeks.

London bus hibernating

There will be no London Bus Tours offered during winter term. Tours will resume on Friday, April 1.

Registration Nov. 30-Dec. 1

Registration for the winter term will be held Tuesday and Wednesday, Nov. 30 and Dec. 1, from 8 a.m. to 6 p.m. in the Intramural Building. The deadline for adding courses is Dec. 13, and the deadline for dropping courses is Dec. 22. The preregistration deadline and course repeat deadline are also Dec. 22. To facilitate the adding and dropping of courses, a sub-station will be open weekdays from 1 to 4 p.m., Dec. 2 through 14, in the HUB.

Trustees approved

The Pennsylvenia Senate has approved the nominations of William K. Ulerich of Clearfield and Harry Boyer of Harrisburg to three-year terms on the University's Board of Trustees. Mr. Ulerich is the current board president. He is publisher and president of Clearfield's Progress and the Danville News as well es chief executive officer of four community AM and FM radio stations. Mr. Boyer is state president of the AFL-CIO.

An alumnus of the University, Class of '31, Mr. Ulerich has been a member of the board from 1951 to 1957 and from 1964 to the present under appointments from Governors Fine, Scranton, Shater end Shapp. Mr. Boyer was appointed to his first term on the Board by Gov. Shapp in 1973.

1,233 at Delaware County

A total of 1,233 students have enrolled for daytime classes this fall at the Delaware County Campus. Approximetely 80 per cent of the students are registered in four-year baccelaureate degree programs. The others are in various two-year programs.



JOINT MEETING — The Advisory Boards ot the Hazleton, Wilkes-Barre and Worthington Scranton campuses of the University met jointly last month at the Hazleton Campus. It was the second joint meating ot the boards which serve to advise the campuses on how to best relate to the community. A third joint meeting is scheduled for the spring at the Worthingon Scranton Campus. Board members, standing, from left, are George Kenarr, Wilkes-Barre; John J. Yamutta, Eugene S. Teter, George R. Miller and Judge Richard L. Bigelow, Hazleton Campus; Donald W. Scheuer, Worthington Scranton; John E. Cotsack, Hazleton; Robert E. Dine and Dr. Richard J. Matthews, Worthington Scranton; Homer Moyer, Clayton Richmond and John N. Conyngham, Wilkes-Barre; George W. Bierly, director of the Wilkes-Barre Campus; George E. Reach, Worthington Scranton; Abram Nesbitt III, Wilkes-Barre; Frank C. Kostos, Hazleton; William M. Donovan, Herbert T. Axford and David Evens, Worthington Screnton; Dr. Herold Aurand, Hazleton; David Schooley, Wilkes-Barre, and Dr. Edward K. Kreyblt, director of the Worthington Scranton Campus. Seeted, from left, are Mrs. Albert Isaacs Jr., Worthington Scranton; Mrs. Charles Frentz, Wilkes-Barre; Mrs. John Bigelow, Miss Bess Pengelly, Miss Jean Scheers and Paul Cerula, Hazleton; Dr. William J. David, director of the Hezleton Campus; David E. Keller and Earl Hertz, also Hazleton.

University Park Calendar

Special events

Thursday, Nov. 18
Faculty Women's Club Lecture Series, 1:30 p.m., Memorial Lounge, Eisenhower Chapel.

Sunday, Nov. 21
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Elder Steve Green, State College.

Sunday, Nov. 21
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Rev. Cherles Coleman.

Seminars

Thursday, Nov. 18
STS/Two Culture Dialogue, Faculty Club. Noon lunch; talk, 12:45 p.m., by Prof. Joseph Kockelmens, philosophy, on "Distributive Justice in Relations between States."

Friday, Nov. 19
Surface Science, 11:10 a.m., Room 339 Davey, G. Rosenblatt, chemistry, on "Energy Transfer Mechanisms in Gas-Surface Collisions."

Tuesday, Nov. 23
The Evening Seminar, 8 p.m., Room 101 Althouse. Dr. Richard D. Scheln on "Reflections on Agricultural Education in the Netherlands."

Thursday, Dec. 2
Chemistry, 12:45 p.m., Room 333 Whitmore. Neil Bartlett, UC-Berkeley, on "From O_2+ Salts to Synthetic Metals."

Microbiology & Cell Biology, 3:35 p.m., Room Frear. Eric Martz, pathology, Harvard Medical School, on "The Lethal Hit In Graft Rejection."

Meetings

Monday-Tuesday, Nov. 22-23
Fixed date for meetings involving Commonwealth Campus Faculty.

Tuesday, Nov. 23
College of Agriculture faculty meetings, 4 p.m., Rooms 301 A&B Ag Adm. Bldg.

Film

Thursday, Nov. 18
Free U Finals Films, 5-11 p.m., HUB assembly room. Free admission.

University schedule

Thursday-Saturday, Nov. 18-20
Final examinations.

Saturday, Nov. 27
Commencement.

Monday, Nov. 29
Orientation.

Monday, Nov. 29-Wednesday, Dec. 1
Registration.

Thursday, Dec. 2
Classes begin.

Lectures

Thursday, Dec. 2
MBAA Lecture Series, 7 p.m., Room 101 Kern. Speaker, Mr Stanley Sparkin.

Exhibits

Museum of Art: Twenty-Four British Potters. Recent Accessions, Chinese Works of Art. "From Gothic to Baroque." Contemporary Figurative Paintings from the Permanent Collection.

Kern Gallery: Ed Leos, Child Photography, through Nov. 20. Jack Troy, Pottery, through Nov. 30.

Funding opportunities

Information, call 865-1372.
For procedural and funding sources

(248-1) Proposed regulations of the U.S. Department of Labor will bring CETA (P.L. 93-203) and P.L. 93-567 into compliance with **The Emergency Jobs Programs Extension Act of 1976** (P.L. 94-444). The amended "project applicant definition includes institutions of higher education. (Ref 41FR40997-41009, 9/28/76. Previous regulations 41FR28533184 6/26/76) **Purchase of training and agency Jobs Programs Extension Act of 1976** (P.L. 2358 and 2345-6) Comments on the proposed regulations are requested by Nov. 26

(248-2) Regulations for the **National Alcohol and Drug Abuse Prevention Program** have been published by the Office of Education. Support and evaluation of demonstration projects, educational and community personnel training, and technical assistance in program development are to be furnished. Both early intervention and community help programs are supported. (Ref. 41FR5471-61-66, 10/27/76) (CFDA 13.420)

(248-3) The OHEW / PHS / HRA **Special Health Career Opportunity Grants Program** has been assigned a Jan. 3 deadline by the OHEW Regional Office The SHCOG program supports motivation, recruitment, retention, and placement of socioeconomically and educationally disadvantaged individuals interested in pursuing e health career (Ref SHCOG letter)

(248-4) The National Science Foundation has issued new forms (and procedure) for its **International Travel Grant Program** (Information Sheet), NSF Form 192 (9-76) supersedes all previous editions.

(249-1) Grants and contracts for the development, continuation, and expansion of **OE Metric Education Projects** have been assigned a Feb. 11 application deadline. (Ref. 41FR48793-94, 11/5/76) (CFDA 13.561)

(249-2) NSF FY 1977 Guide to Programs has been published. Programs for selection of research projects are included as well as program description material for (1) mathematical, physical, engineering, environmental, behavioral, and social sciences; (2) astronomical, atmospheric, earth, and ocean sciences, (3) science education; (4) research applied to national needs, and (5) scientific, technological, and international affairs. (Rel. Ibid)

(249-3) Post-doctoral fellowships in medicine, humanities, and human values are supported by the Institute on Human Values in Medicine. Emphasis is on interdisciplinary study of the role of humanities in medical education. Application deadline is Feb 15, and funding is provided under NIH grant number EH1H07374363. The program contact is 215-735-1551 (Rel ibid announcement)

(249-4) The Office of Education has announced a **Graduate and Undergraduate Interests at Studies Programs for 1977-78.** Program focus on developing international course offerings and new methods of teaching. Funds may be used to revise and update curricula, develop additional faculty expertise, or accelerate plans to improve existing resources. No application deadline yet announced.

(249-5) The NSF National Needs Science Faculty Professional Development Program succeeds the NSF Faculty Fellowships in Science Applied to Societal Problems and the Faculty Research Participation Programs. Next application deadline is Jan. 7. (Ref. SE77-28)

(249-6) Proposals for Field Centers to provide workshop opportunities for college teachers of science under the **NSF Chautauqua-Type Short Courses for College Teachers** program are being solicited. A three-year operation is required. The "national center" for 1977-79 will be the American Association for the Advancement of Science. Deadline is Jan 12. (Rel. SE77-29)

FELLOWSHIPS (FOTE-26)
(For further information inquire at 317 Kern, 865-2514)

(246-5) NSF — Nov. 10 application deadline for Grad record exam; Dec 1 for fellowship application.

(246-6) NSF National Needs — Dec. 6 deadline.

(246-7) Fischer School (Florida) Teaching Fellowships in Latin America and Asia/Pacific area

(248-7) PSU Educational Opportunity Trainee ships — early 1977

(249-6) Woods Hole Oceanographic Institution — postdoctoral, Dec. 1.

(249-9) American Numismatic Society — summer study, March 1.

(245-10) Phi Beta Kappa — fellowships for Greek Studies

(249-11) Harry S. Truman Foundation — college Juniors, Dec. 15.

(249-12) Belgian American Educational Foundation, Inc — advanced study at a Belgian university

Senate

(Continued from page one)

staff benefits, fuel and utilities, and supplies and services cost increases and Is 7.2 percent of the 1976-77 general funds budget.

Mr. Norris said it is the feeling of the University that it can more effectively serve employees' interests when approaching the legislature by grouping together all requests for increases made necessary by inflationary pressures.

Progress report

Eugene R. Melander presented a progress report on a special committee studying student mobility among majors. The chairman detailed five findings of the committee and said it should be issuing its written report in the near future.

He termed the five items, "factors we think are causing difficulties" and listed them as: 1) enrollment pressures and the resultant need to make the flow of students flexible between majors, campuses, colleges, etc.; 2) keeping the general framework of the current system of admitting and transferring; 3) developing procedures for handling overcrowding in some majors; 4) making certain barriers to student mobility are only temporary and relate to special circumstances; and 5) assuring equity of access.

Under the final item, he listed three points: making clear distinctions as to the University's priorities among categories of students seeking entrance; making this information available to students at all locations; and making it explicit and defensible in terms of academic objectives, offerings and standards.

Other actions

In other action, the Senate:

— Received informational reports from the subcommittee on special admission programs regarding the dropping of the experimental admission program in engineering technology, and the continuation of special admission programs in the Educational Opportunity Program, Veteran Student Program, College of Arts and Architecture, the Department of Speech Pathology and Audiology, and for high school seniors wishing to take credit courses.

— Received an informational report on grade distribution as of spring term 1976.

— Adopted an amendment to its Constitution to include in the Senate electorate faculty members of the Departments of Military Sciences at locations other than University Park.

The next regular meeting is set for Dec. 7 at 2:10 p.m. in Room 112, Kern Graduate Center.

WPSX highlights

One state's problems in serving retarded citizens is the focus of "The Others" on **Documentary Showcase** at 9 p.m. on Friday, Nov. 19. The hour-long documentary looks at the problems of the mentally retarded citizen, the effect on his or her family, and the problems of the Iowa Department of Social Services in providing the kinds of services needed.

The Bicentennial portrait exhibit held in the spring of 1976 at Penn State's Museum of Art is the subject of "Portraits: USA 1776-1976," a half-hour WPSX-TV special to be seen at 7 p.m. on Sunday, Nov. 21. The program focuses on 15 paintings that were included in the exhibit. Professor emeritus of art history Harold Dickson, who arranged for the exhibit and wrote the catalog, comments on each of the works. The program may also be seen at 7 p.m. on Monday, Nov. 22, and at 12:30 p.m. on Thursday, Nov. 25. Copies of the program are available through Audio-Visual Services, Room 6 Willard Bldg.

Ingmar Bergman's "The Seventh Seal" will be broadcast uncut and uninterrupted on **The PBS Movie Theatre** at 9:30 p.m. on Tuesday, Nov. 23. The 1956 film classic won the International Jury Prize at the 1957 Cannes Film Festival.

Joe Palerno and co-hosts Jim Tarman and Fran Fisher are featured in a special edition of **TV Quarterbacks** at 8 p.m. on Wednesday, Nov. 24. The program will include a review of this year's football season and a look ahead to the Pitt game, which will be shown in its entirety on Channel 3 at 2 p.m. on Sunday, Nov. 28.

Airport regulations

The University has adopted new regulations governing the use and operation of the University Park airport.

Included in the regulations, now in effect, are provisions governing the duties of the airport manager, the use of motor vehicles on the premises, aircraft operations, fueling practices, and operation of flying clubs.

In addition, the regulations permit other parties to provide certain types of aeronautical services to the public as required by the grant agreements awarding Federal funds to the airport for construction of runways and other improvements.

The regulations require those desiring to provide such aeronautical services to comply with strict performance standards and requirements, designed to insure the continued safe and efficient operation of the airport.

Copies of the regulations are available at the University Park Airport.

Staff vacancies

Staff vacancies in this publication generally arise at least e baccalaureate degree or equivalent ao s minimum educational qualification. Staff vacancies requiring less than a baccalaureate degree as well as those announced in the INTERCOM may be found in the Penn State REPORTER. All University employees who are interested in promotion may apply by calling the Employment Division, 865-1367 (network Line 475-1387). Applications for these staff vacancies will be received until 5 p.m., **Nov. 26, 1976. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

ASSISTANT ACCOUNTANT, CONTROLLER'S OFFICE — Hershey Park

Responsible to the Director of Accounting and to the assigned accounting personnel for assistance in a wide variety of duties, working toward the overall goal of obtaining well rounded accounting experience in all areas assigned within the Office of the Controller. Must have a degree or equivalent, preferably in accounting or related field and over three months of directly related experience.

NEONATAL NURSE INSTRUCTOR — Hershey

Responsible to the Chief of the Division of Newborn Medicine, Department of Pediatrics, and will also work under the guidance of the Assistant Director of Nursing for Staff Development, Department of Nursing for the organization and execution of an educational program for the orientation of neonatal nurse clinicians and Inservice and continuing education programs for nurses in the Neonatal Intensive Care Unit of Hershey Medical Center and upon request, in hospitals in the Central Pennsylvania region. A bachelor's degree in nursing or equivalency and Registered in Pennsylvania and two to three years of neonatal intensive care experience. Completion of a Neonatal Nurse Clinician course is highly dealrable.

ASSISTANT DIRECTOR, NURSING SERVICES — Hershey

Responsible to the Assistant Hospital Director/Director of Nursing Services for assisting with the administration of the Department of Nursing Services within assigned patient care areas, including the planning, organizing, staffing, coordinating, and evaluating activities necessary for continuation of nursing care and supervision of nursing care within said area. Master's degree, or equivalent, in nursing administration or clinical area preferred, plus two to four years of directly related experience preferably in a teaching hospital. Pennsylvania RN license required.

Scholarly life

(Continued from page one)

of painful and frustrating correspondence. You can't retain your sanity and work for the Shaw estate."

Though there was no immediate chance of a reconciliation, he does not rule out the possibility for the future, since the estate has invited him to London for talks.

Mr. Laurence, who resigned his tenured professorship at York University in Toronto in 1970 and moved to Austin to be near the "monumental" Shaw collection at the University of Texas, gives fair warning of potential problems in dealings with some literary estates.

"I scholars run into serious difficulties when dealing with estates that are not simply set up," he points out. "It is much better if there is a literary executor to work with directly, simply and straightforwardly."

The Shaw estate's affairs, according to Mr. Laurence, are conducted by three administrative bodies. Although a management committee of trustees holds ultimate authority, it is necessary to deal with it through its agent, The Society of Authors, and an academic advisory committee.

"When your case finally reaches the trustees," Mr. Laurence explains, "it is presented as the other committees distort it, and not as you originlly pleaded it."

Looking at the experience philosophically, he feels perhaps he's gleaned some valuable knowledge.

"If I've learned nothing else, I've learned that es an educator It is my responsibility to teach graduate students not only how to teach but also how to protect themselves in the clinches with estates and publishers," Mr. Laurence points out. "It is in the nature of academic researchers to be unprotected in dealings with the legal aspects of publishing. We are ingenuous, really, anxious to get involved in publishing, and we lose track of the legal protections we ought to be seeking. We don't even know they exlst."

Mr. Laurence has been a Shaw enthusiast since his early days in the theatre. He made his debut on Broadway when he was 12, and has been professionally until World War II when he joined the Air Force as a radar specialist. In 1950 he began teaching at NYU.

His association with the Shaw estate started in 1959 when he was named editor of Shaw's unselected letters. He was then named editor of the letters and, eventually, of the definitive edition of the plays. About 1965, he became the official Shaw bibliographer, and in 1973 he was named the estate's advisor, a position he had been telling without title for several years.

His 10 weeks at Penn State have failed to change an observation he made about students several years ago.

"They all suffer from the same fault — a totally inedequate background in reading," Mr. Laurence contends. "Instead of building on what they already know, you're almost always obliged to work from bedrock. And it creates frustrations."

His immediate plans include a vacation ("Any place warmer than here!") and then he will settle down for a gentle winter in his Texas home to complete a Shaw bibliography he started 20 years ago.

PENN STATE intercom

December 3, 1976 Volume 5, Number 59

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

IRS threatening tuition remissions

Tuition remissions for the dependants of faculty and staff members at a university or college would be treated as taxable income by the Internal Revenue Service under proposed new regulations.

According to reports in the press last week, the college-tuition rules would, for the most part, take effect in the 1977-78 academic year. Scholarships would continue to be tax free for dependents of school employees, as they are for everyone else, but it would be up to the employee to prove that the scholarship wasn't simply additional compensation.

Commenting on the IRS proposal, Robert A. Patterson, senior vice president for finance and operations, said:

"We are concerned with the effect that these proposed Treasury regulations might have on the staff benefits of our employees' dependents. At the present time, some 2,000 dependents are taking advantage of tuition remissions. To make them taxable compensation could have a serious impact and would distort and diminish their value.

"Based on our understanding, there is firm legislative history supporting the current interpretation of tuition remission. Indications are that the proposed rules represent an attempt by the Internal Revenue Service to revise the law by administrative actions — which, of course, could be challanged in the courts.

"It appears that the proposed regulations are prospective and would not affect anyone's tax status for the 1976-77 scholastic year.

"In cooperation with the American Council on Education and the National Associa-

(Continued on page five)

"Buckley" Dos and Don'ts

As a guide to faculty and staff members, a list of things that should be done and a list of things that should not be done, in compliance with the Family Educational Rights and Privacy act of 1974 ("The Buckley Amendment") have been prepared.

The University's Final Policy on Confidentiality of Student Records was issued by President John W. Oswald on Oct. 19. Administrative guidelines follow:

1. DO maintain a chronological record of those individuals to whom information from a student's education records has been disclosed (University form available).
2. DO comply with a student's request to inspect and review his/her education records within 45 days after the request.
3. DO provide students with reasonable explanations and interpretations of their education records on request.
4. DO insist that students request in writing their approval for information to be sent to a specified third party (University form available).
5. DO remind the third party receiving information that such information may not be shared with anyone else without the student's written consent.
6. DO change the factual information in an education record when the student is able to provide valid documentation that information is inaccurate or misleading. Grades may not be challenged and changed unless an error has been made in the recording process.
1. DON'T give information contained in a student's education record over the phone or in correspondence to a third party without the student's written consent (on the appropriate University form).
2. DON'T post grades with personally identifiable information such as student names, social security numbers, student identification numbers, etc.
3. DON'T use letters of recommendation for purposes other than for which they were originally intended, e.g., a letter related to a student's nomination to an honorary society for employment.
4. DON'T require a student to waive right to access to letters or statements of recommendation **as a condition** for admission to a program or for financial assistance.
5. DON'T allow access to education records by individuals who have applied for admission but who are not admitted or in attendance at any unit of the institution.
6. DON'T give financial information provided by parents to their son(s) or daughter(s).
7. DON'T include in a student's education records or make available to him/her, or to third party, information from medical, psychiatric, or psychological reports; records from law enforcement officials on or off the campus; employment records; notes of a professional or staff person which are intended for that individual alone.
8. DON'T release letters or statements of recommendation which were written prior to Jan. 1, 1975.
9. DON'T respond to a subpoena without first contacting the Provost's Office.
10. DON'T share education records with other parties within the University unless there is a legitimate educational interest.
11. DON'T allow students to inspect their educational records without an institutional representative being present to explain and interpret.
12. DON'T deny a student the right to have copies made of his/her education records, at cost.
13. DON'T destroy a student's education records if a request exists to inspect and review the records.

Forms used in administering the policy, which are listed along with instructions in the General Forms Usage Guide, are available from Systems and Procedures, Room 225 Shields Bldg., 865-9568. They are: Chronological Record of Entry into Educational Records; Consent to Release Educational Record to a Third Party; Letter to Third Parties Receiving Educational Records; and Waiver of Right to Access of Confidential Recommendations.

News in brief

Reception to honor Greenhill

An informal reception honoring Leslie P. Greenhill, who will retire Jan. 1 from the position of director of the University Division of Instructional Services, will be held from 8 to 9:30 p.m. on Wednesday, Dec. 15, in the Zoller Gallery. On display in the gallery will be photographic prints taken by Mr. Greenhill, as well as a projector showing color slides he has made. Friends of Mr Greenhill are invited to the reception, and tickets, priced at $5 to cover reception costs and an appropriate gift, may be obtained from Patti W. Fisher, Room 211 Mitchell Instructional Services Bldg., telephone 865-7674.

Xmas mail arrangements

During the time that offices at University Park are closed for the Christmas period, from 5 p.m. on Wednesday, Dec. 22, to 8 a.m. on Tuesday, Dec. 28, interdepartmental mail service and U.S. mail service will be suspended.

However, if any departments have a special need for delivery of incoming U.S. mail on Dec. 23, 24 and 27, they should call University Mail Service, 865-5602, before 5 p.m. on Wednesday, Dec. 15, so that arrangements can be made with the U.S. Postal Service for delivery.

Departments requesting this service are responsible, 1) for assigning an employee to be at work in the building at a specified time to receive the mail; and 2) for receiving all incoming mail for the building in which the department is housed. This is required because the U.S. Postal Service sorts incoming mail by building, not by department.

Passes urged for buses

Fleet Operations is hoping to convert riders on their Campus Loop Bus System from tokens to passes, starting with the present winter term.

A floating pass costing $10 (per term) and transferable among faculty and staff members within a department, is now available through Fleet Operations with an IDT. There is a special rate of $25 for three passes.

"We consider the 10 cent fare to be very reasonable, but the pass system is a more efficient way to cover transportation costs," says B. E. Goehring, recently appointed director of transportation services. "The tokens which were previously in use are being phased out."

To be a success, the campus loop system needs riders from all segments of the University community, Mr. Goehring emphasizes.

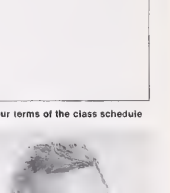
Winter term deadlines

The winter term deadline for adding courses is Dec. 13, and the deadline for dropping courses is Dec. 22. The preregistration deadline and course repeat deadline are also Dec. 22. To facilitate the adding and dropping of courses, a sub-station will be open weekdays from 1 to 4 p.m., Dec. 2 through 13, in the HUB.

"Pa. 1776" available

A limited supply of the University's Bicentennial book, "Pennsylvania 1776," is available at the University Press, Room 215 Wagner Bldg. A special discount price of $12 is available to all Penn State employees. The Press will pack, box and mail the book as a gift anywhere in the United States for $13. For further information, phone 865-1327.

(Continued on page five)



Nicholas F. Parkinson

Ambassador to give talks

Nicholas F. Parkinson, Australian Ambassador to the United States, will present two talks at the University during a visit to campus on Monday and Tuesday, Dec. 6-7.

His topic on Dec. 6 will be "Changing Patterns in Southeast Asia: An Australian Perspective," and he will speak at 8 p.m. in the Kern Graduate Bldg. Assembly Room. On Dec. 7, he will give a seminar on "Current Australian Foreign Policy: Continuities and Contrasts," at 2:15 p.m. in Room 124 Sparks Bldg.

A career diplomat, Mr. Parkinson has been Ambassador to the United States since last March. Prior to that he was one of the two Deputy Secretaries of the Australian Department of Foreign Affairs in Canberra. A graduate of the University of Sydney with first class honors in history, Mr. Parkinson has also served in Cairo, Hong Kong, Moscow, Wellington and Kuala Lumpur, and held the post of Australian High Commissioner in Singapore.

Pittsburgh center contacts students

The Penn State Community Center in Pittsburgh has made more than 200 student contacts since it opened in September. The center, at 100 Penn Circle West in East Liberty, is coordinated by Ed Whitaker, a 1971 graduate of Penn State and former coordinator of the Equal Opportunity Program at the McKeesport Campus.

"The primary function of the center is "to facilitate recruitment and admission of regularly admissable black students," according to Thelma T. Price, special assistant to the President. "However, the overall purpose of the center is to serve any student interested in Penn State."

Some of the services offered at the center include information on all University majors and campuses, details about State, Federal and University financial aid, and other materials to facilitate applications and admissions to Penn State.

The center's network number is 645-5441. The center's local phone numbers are (412) 361-4442 and 361-4443. A similar community center will open in Philadelphia in December at 401 N. Broad St.

The Philadelphia and Pittsburgh centers have been established as a result of the recommendations of The President's Task Force on Increasing Black Student Enrollment.

PENN STATE COLLECTION

Faculty notes

Dr. Geoffrey L. Wilson, associate professor of engineering research at the Applied Research Laboratory, has been awarded a Fellowship by the Audio Engineering Society in recognition of his contributions in the field of acoustical measurements and his furthering of audio courses at the university level. Dr. Wilson was also the organizer and moderator of a symposium on rock music and noise-induced hearing loss at the 55th Convention of the Audio Engineering Society held recently in New York City.

Dr. Rustum Roy, director of the Materials Research Laboratory, has been appointed chairman of the National Academy of Sciences-National Academy of Engineering-National Research Council Committee on the Soviet Union and Eastern Europe. The committee oversees scientific exchange and interchange between these countries and the U.S. In this capacity, Prof. Roy attended the meeting of the Commission on International Relations of the Academy in Washington on Nov. 8. On Nov. 17, Prof. Roy, in his capacity as chairman of the NAS-NAE conference on Materials and the Development of Nations, attended a meeting at which Secretary of State Kissinger discussed the future role of science and technology in U.S. relations with developing nations.

Dr. Elliot Vesell, professor and chairman of pharmacology at Hershey, delivered the first Pfizer Lecture at the Medical College of Pennsylvania on Nov. 11. His topic was "Sources of Variability in Drug Interactions." He also presented a seminar on "Pharmacogenetics." Dr. Vesell gave the first Pfizer lecture last year at the University of Iowa and will deliver another in April at the University of Connecticut.

Dr. David W. Russell, professor emeritus of education since 1969, is currently a part-time visiting professor at the Lorain County Community College in Elyria, Ohio. Since retiring, he has held faculty appointments at Baldwin-Wallace College in Berea, Ohio, and with Ohio University's Graduate School. Recently he was appointed Program Implementation Specialist for the National Retired Teachers Association for an area including Ohio, Indiana, Illinois and Michigan.

Dr. William L. Harkness, professor and head of the Department of Statistics at the University, has been appointed to a second three-year term as program secretary of the Institute of Mathematical Statistics.

Pianist Steven Smith, assistant professor of music, was the featured soloist in Beethoven's "Concerto No. 4 for Piano and Orchestra," at two concerts presented by the Susquehanna Valley Symphony at Lycoming College and Bucknell University.

A process for making ultrathin, large surface area membranes from molds, such as sea coral, has brought invention incentive awards to research personnel at the University. The greater membrane exchange properties should help to cut the size and cost of blood oxygenators and kidney dialysis machines.

Dr. Eugene W. White, professor of solid state science, and a graduate student, **William M. Hanusiak,** of New York, N.Y., along with Dr. Rodney A. White, received checks under a policy that provides $200 to inventors for each invention accepted for patenting. Dr. Rodney White, a Los Angeles surgeon, is a nephew of Dr. Eugene White.

The incentive awards were presented on behalf of the Pennsylvania Research Corporation and the Research Corporation, New York, N.Y., by Dr. Richard G. Cunningham, vice president for research and graduate studies at Penn State. Both corporations work to foster research and develop inventions and patents.

Samuel S. Dubin, professor of psychology, Department of Planning Studies in Continuing Education, recently completed a five-week invited lecture tour for the United States Information Agency, visiting Bangladesh, India, Ethiopia, Kenya, Tanzania and the island of Mauritius in the Indian Ocean. In Mauritius, he delivered the annual "Triveni" lectures sponsored by the Triveni Club, a social-cultural organization composed of senior Indo-Mauritian civil servants, top managers and politicians. Some of his more frequent lecture tour topics included Professional Obsolescence, The Psychology of Keeping Up to Date, Job Redesign, Motivation and Productivity, and Implementing Changes in Organizations. Audiences included the University of Nairobi in Kenya and the University of Dar El Salaam. This trip is the second lecture tour undertaken by Dr. Dubin for the USIA.

Dr. Gerald G. Johnson Jr., associate professor of computer science at MRL, visited France, Poland and the USSR during the fall-winter term break. In Paris he chaired a two-day meeting of a UNESCO/CODATA Task Group on Training Courses on the Handling and Treatment of Experimental Data. In Poland, as a guest of the Polish National Data Commission, he organized two one-week courses (for the summer of 1977) on biostatistics and engineering applications of statistics.

His visit to the Soviet Union was requested by the Soviet Academy of Sciences, and he lectured on pattern recognition and image analysis, computer graphics, innovative teaching methods for the presentation of science and laboratory automation.

Three members of the Altoona Campus staff participated in the Pennsylvania Learning Resources Association's annual convention last month at Hershey. **Dr. John E. Lennox,** assistant professor of micro and cellular biology, gave a workshop entitled, "The Sickled Cell: a Simulation Game." **Dr. Valerie Stratton,** assistant professor of psychology, presented a program on "The Use of Computer Management in a Modified Personalized System of Instruction." **Alan Mikula,** Altoona Campus senior instructional services specialist, spoke on "In-Service Programming for Faculty Development in Higher Education."

Dr. Ronald R. Keipert, associate professor of zoology at Mont Alto, presented a paper at the First Conference on Scientific Research in the National Parks last month in New Orleans. The paper, "Behavior Ecology and Social Organizations of the Feral Ponies of Assateague Island," was a report on his pioneering study of the famed Chincoteague ponies. The conference was sponsored by the National Park Service and by the American Institute of Biological Sciences.

James A. Bochy, Somerset County agent on the Cooperative Extension Service staff, has been named a recipient of the 1976 Master Educator Award presented by the Pennsylvania Association of Farmer Cooperatives. The $100 award is presented annually to a member of the Pennsylvania Extension Service staff "for outstanding teaching and leadership in the areas of general agriculture and cooperative business programs." Mr. Bochy was cited for his educational programs in cooperation with the Somerset County Maple Producers Association, Sheep and Wool Growers Association, and County Potato Growers Association.

During Nov. 17-20, four members of the Department of Political Science participated in the Student Conference on United States Affairs, held at the U.S. Military Academy, West Point.

Prof. Henry Albinski co-chaired the panel on "The Spread of Communist Doctrines and Institutions: The American Response." **Prof. J. Cudd Brown** co-chaired the panel on "The NATO Alliance: Its Utility and Its Future." **Prof. Edward Keynes** co-chaired the panel on "The Soviet Union and Europe." **Dr. Ronald Johnson,** assistant professor, co-chaired the panel on "The National Defense Budget: Setting Priorities."

"An In Plane Method for Determining the Two-Dimensional Stress-Strain Behavior of Living Human Skin" was the topic of a talk given by **Dr. Thomas H. Cook,** assistant professor of engineering mechanics, at the 29th Annual Conference on Engineering in Medicine and Biology, held in Boston.

Dr. Wayne Scott, assistant professor of English at Behrend College, presented a papei, "Patriots and Scoundrels: Popular Verse and Men of the American Revolution," on Oct. 26, as a guest of the Slippery Rock State College Humanities and Fine Arts Forum.

Dr. E. Willard Miller, associate dean of resident instruction, Earth and Mineral Sciences, presented a paper, "Coal Mining and Economic Development in Appalachia" at the Celebration of Coal Mining on Nov 10, sponsored by the President's Center for Community Affairs of the Indiana University of Pennsylvania and supported by the Public Committee for the Humanities in Pennsylvania.

Eleanor Zygler, associate professor of art, exhibited 32 recent paintings in a one-woman show at the Center Gallery, Cherry Hill, N.J., last month. The exhibit, "Images, Places, and Seasons II," was developed under a grant from the Institute for the Arts and Humanistic Studies.

Bookshelf

Paul West's latest novel, "Gala," was published in October by Harper & Row Publishers. It is the eighth novel by Mr. West, professor of English and comparative literature and is a sequel to "Words for a Deaf Daughter," a non-fiction work about his brain-injured child which was published in 1970.

"Both books came out of the same ferment," Mr. West writes in his preface, "and the present one, in its different register, is a true emotional sequel to the other. What I have done is to stage in fiction a desideratum that didn't happen. . . .

"I have often thought that one should be able not only to describe something but also to recover (or create) anticipation of it. Here, as best I can, I make a pipe dream into prose."

Mr. West joined the Penn State faculty in 1963 after a year as a visiting associate professor. His other novels include "Bela Lugosi's White Christmas," "Colonel Mint," "Caliban's Filibuster," "I'm Expecting to Live Quite Soon," "Alley Jaggers," "Tenement of Cley" and "A Quality of Mercy."

Dr. Dwain N. Walcher, director of the Institute for the Study of Human Development, is co-editor of a new book, "Food, Man, and Society," published by Plenum Press. The 228-page volume features papers presented at the third meeting of the International Organization for the Study of Human Development held in September 1975 in Madrid, Spain.

The book offers discussions by various experts on such topics as geographic perspectives on man's food quest; clinical manifestations of malnutrition; ethical and cultural aspects in human food behavior; benefit-risk decision making; and food safety.

It also examines the agricultural, environmental and political factors that would play a crucial role in a worldwide commitment to nutrition.

"Aubrey Beardsley: Imp of the Perverse," a biography of the 19th century artist written by **Dr. Stanley Weintraub,** has been published by Penn State's Press.

Dr. Weintraub, director of the Institute for the Arts and Humanistic Studies and research professor of English, began the book as an update of a biography he wrote on Beardsley in 1967, even though art critic John Russell said of that edition in a front page review in the New York Times Book Review that it "needs no successor." The book was also nominated for a National Book Award.

Additional material, along with the increasing need for reinterpretation of earlier material, added new dimensions to Beardsley and dictated a successor, Dr. Weintraub explains.

Dr. Weintraub, a member of the English faculty since 1956 and director of IAHS since 1970, is author or editor of more than 24 books, including several about George Bernard Shaw, on whom he is a recognized authority.

The Modern Language Association has just published "Anglo-Irish Literature: A review of Research." Dr. Weintraub authored the section on Shaw which occupies about 14 pages of the 616-page text.

Dr. Leon F. Lyday, professor of Spanish and acting head of the Department of Spanish, Italian and Portuguese, is co-author of the newly published volume, "A Bibliography of Latin American Theatre Criticism: 1940-1974." Prepared in collaboration with Dr. George Woodyard of the University of Kansas, the bibliography contains about 2,400 critical items written between 1940 and 1974, all of them dealing with the status of the theatre in Spanish America and Brazil. The volume was published by the Institute of Latin American Studies at the University of Texas, and represents materials gathered from the libraries of Penn State, the University of Kansas, and the University of Illinois, as well as from several major Latin American libraries.

Appointments

Michael A. Barendse as assistant professor of sociology at Worthington Scranton. B.A., Hope College; M.A., Ed.D., Ball State.

Clyde L. Hopkins as assistant professor of philosophy at Worthington Scranton. B.A., M.A. and Ph.D., Penn State.

Andrew B. Romberger as assistant professor of physics at the Berks Campus. B.S., Muhlenberg College; M.S. and Ph.D., Penn State.

Linnea M. Hendrickson as assistant librarian. B.A., U. of Michigan; M.A., U. of Massachusetts and U. of Arizona; M.L.S., U. of Arizona. Formerly on the faculty of Pima Community College, Tucson, Ariz.

John R. Cipkata as instructor in business administration at Beaver Campus. B.S., Ohio State U.; M.B.A., New York U. Previously an instructor at U. of Pittsburgh.

Frederich A. Kohun as instructor in economics at Beaver Campus. B.A., Georgetown U.; M.A., U. of Pittsburgh. Former lecturer at Pitt.

Dr. Robert W. Liddell III as instructor in chemistry at Beaver Campus. B.S., Geneva College; Ph.D., Penn State. Formerly teaching and research assistant at Penn State.

Mary Ellen Mumma as instructor in education at Capitol Campus. B.A., Penn State; M.Ed., Temple U. Former administrator/education director at Rutgers Camden Day Care Center in New Jersey.

Anka Usher as instructor in German at Beaver Campus. B.S. and M.A., Penn State.

Obituary

Jesse William Tieman, assistant professor of microbiology working with the nursing program in Continuing Education in the Pittsburgh area, died Nov. 23 at age 55. A native of Greenbrian, Ind., Mr. Tieman received his B.S. degree from Penn State in 1950 and his M.S. in 1954. He joined the faculty in 1958 as an instructor in bacteriology.

Seven named

Seven faculty members have been appointed to the University Inventions and Patents Committee by the Vice President for Research and Graduate Studies, Richard G. Cunningham. They are:

Harry R. Allcock, professor of chemistry; Joseph C. Conway, associate professor of engineering mechanics; Wayne D. Gearhart, associate professor of engineering research (chairman); A. Hamid Madjid, associate professor of physics; H. Lee Mathews, professor of marketing; Walter Thomas, professor of agronomy (secretary); and G. Frank D. Tyes, M.D., associate professor of surgery. Hershey. Robert F. Custard, University Patent Counsel, and Dr. Cunningham serve as ex-officio members.

Committee members were selected to represent the faculty, administration and active University inventors. Nominations made by both the Senate and Administrative Committees on Research. The formation and operation of such a permanent committee is provided in the revised Patent Policy which was approved by the University's Board of Trustees in July 1975.

The committee's duties entail reviewing the operation of the University Patent Policy and Procedures, recommending desirable changes when needed, and rendering advice concerning the equitable resolution of University invention-related disputes.

Committee terms will run for four years but to provide for rotation, four of the organizing members will serve two-year terms.

Arts roundup

Young Vic tickets on sale

Tickets for the Young Vic Company's production of "The Taming of the Shrew," which will be presented at 8:30 p.m. on Saturday, Dec. 4, in University Auditorium are on sale through Saturday at the auditorium box office. The box office will open at 3 p.m. Directed by Frank Dunlop, the British company offers a version of this classic which has been hailed by critics for its fast pace and liveliness. The play is under the sponsorship of the Artists Series.

Photographic exhibit

Photographs by Richard Stoner, Mark Forker and Barbara Brubeker will be on display in Room 212A, Visual Arts Bldg. beginning Monday, Dec. 6, and continuing through Thursday, Dec. 23. Hours are from 1 p.m. to 5 p.m., Monday through Thursday.

Faculty works at Zoller

The 1975 Faculty Christmas Exhibition opens Wednesday, Dec. 8, in Zoller Gallery. Works by faculty members will be on display through Tuesday, Dec. 14. Hours for the exhibition are 8 a.m. to 5 p.m. weekdays, and noon to 5 p.m. Saturdays and Sundays.

Truffaut film

Truffaut's "The Soft Skin" will be the next film in the Wednesday screenings offered by the Artists Series at 8 p.m. on Dec. 8 in University Auditorium.

The film depicts the story of a middle-aged man's attraction to a young girl and the almost inevitable tragedy that follows. With sincerity, skill and sophistication, Truifaut manages to transform what could have been a banal melodrama into a moving account of the disintegration of a middle-class marriage.

Tickets will be sold at the door, beginning at 7:15 p.m., and the price is 50 cents for students, $1 for non-students.

Museum Director to speak

William Hutt, director of the Museum of Art, will give a gallery talk on "Contemporary British Pottery" at 10:30 a.m. on Tuesday, Dec. 7, in the museum.



Schumann recital

Mildred Miller, a mezzo-soprano of international reputation, will present a recital of music by Robert Schumann at 8:30 p.m. on Tuesday, Dec. 7, in the Music Bldg. recital hall.

Miss Miller, who is known for her musicianship in the art of lieder singing, performed for more than 12 years with the Metropolitan Opera. She has also sung with the Vienna State Opera and the San Francisco Opera and in numerous recitals.

In Tuesday's recital, Miss Miller will perform Schumann's "Frauenliebe und Leben" and "Liederkreis," accompanied by pianist John Wustman. The recital is presented by the Department of Music and the Artists Series.

Alord concert Dec. 8

The Alard String Quartet will present a concert at 8:30 p.m. on Wednesday, Dec. 8, in the Music Bldg. recital hall. The performers are Joanne Zagst and Donald Hopkins, violins; Raymond Page, viola; Leonard Feldman, cello; and Pawel Checinski, pleno.

The program will begin with Haydn's Quartet in G major, Op. 76, No. 1, followed by one of the great late romantic masterpieces, Schoenberg's Quartet Op. 7, No. 1. The concert will conclude with Dvorak's Quintet in A major, Op. 81.

The audience is invited to arrive a few minutes early for a discussion of the evening's program with the musicians.

News briefs

(Continued from page one)

Madrigal Dinner

The third Annual Madrigal Dinner and Concert will be presented by the Graduate Commons at 6:30 p.m. on Saturday and Sunday, Dec. 11-12, in Room 102 Kern Bldg. The setting will be a 16th century English castle, replete with banners, shields, coats of arms, pine boughs and shimmering candles. The King and his court will preside over the feast, and court rules will be observed as guests take part in the traditional Wassail Cup Toast and enjoy the special fanfares announcing the Boar's Head and Flaming Plum Pudding. There will be Madrigal Singers, court jesters, trumpeters and roving minstrels. Tickets are $6 apiece and are available at the Kern Information Desk, or reservations may be placed by telephoning 865-1878.

Robeson Center sale

The Paul Robeson Cultural Center is sponsoring an arts and crafts exhibit and sale from 10 a.m. to 6 p.m. Wednesday through Friday, Dec. 8-10. The site is the Cultural Center in Walnut Bldg., and on view will be handmade international dolls, jewelry, drawings, water colors, oil paintings, stained glass, macreme, batik, wooden toys and sculptures, pottery, leather and handmade Christmas decorations.

Scholarship deadline extended

The application deadline for the Harry S. Truman Scholarship has been extended to Dec. 6. One applicant will be selected from each state to receive up to $5,000 a year. Applicant must be a junior in the fall of 1977 pursuing a bachelor's degree and have at least a B average. This scholarship is only for U.S. citizens. Credentials, including transcript, resume and two letters of reference, should be sent to the director of the University's search committee, Dr. Robert S. Friedmen, Room 112 Burrowes Bldg., 865-7515.

Phone numbers changed

The Behrend College telephone has been changed to 814 898-1511. The network number remains the same.

Effective Dec. 7, the telephone network number for the McKeesport Campus will be changed from 675-6930 to 675-6982.

Record Ag. enrollment

Student enrollment in the College of Agriculture this fall totals 3,650, an all-time record for the College. According to Dr. Robert E. Swope, assistant dean for resident education, it is estimated that 70 percent of the students come, not from the farms and the rural areas, but from the urban and suburban areas of the State.

Dr. Swope, noting the increase in total enrollment from 3,463 last year, says that undergraduate student enrollment showed a gain of 5.4 percent. Since fall 1970, when the College enrolled 1,287 students, the enrollment figures have climbed by 184 percent. Graduate student enrollment has increased 24 percent since 1973, while the associate degree total, reported of 331, has shown no change from a year ago. At present, 28 percent of the undergraduate students and 19 percent of the graduate students are women.

Library instruction offered

Faculty members interested in arranging class-related library instruction sessions are asked to contact Mrs. Elizabeth Ellis, 863-0323, for undergraduate classes. For upper division and graduate classes, please get in touch with Fred Van Antwerp, 865-6368.

Museum photo in Moscow show

A color photograph of the Museum of Art has been included in the Bicentennial exhibit, "USA — 200 Years," currently on view in Moscow. The U.S. Information Agency requested material for the exhibit from Penn State, and 13 photos were supplied by Woodrow W. Bierly, manager of the University's News Bureau, for USIA to choose among.

Seminar schedule

Tuesday, Dec. 7

Plant Pathology, 9:45 a.m., Room 213 Buckhout. Organizational meeting.

Environmental Design and Planning, 9:35 a.m., Room 318 Sackett, Ranlero Corbelletti, architecture, on "From Less Is More to More or Less."

Organic Chemistry, 12:45 p.m., Room 333 Whitmore. Michael Babich on "Pyridoxal and Electrophilic Catalysis."

Aerospace Engineering, 3:55 p.m., Room 232 Hammond. Leo Kingston, Bell Helicopter Co. on "Air and Ground Resonance of Helicopters — A Challenging Problem in Dynamics."

Microbiology and Cell Biology, 4 p.m., Room 32 Frear. Helen Whiteley, University of Washington, on "Regulation of Transcription by Polymerase Modification."

Geosciences, 4 p.m., Room 22 Deike. Robert I. Tilling, U.S.G.S., Reston, Va., on "The Hawaiian Volcano Observatory: Operations, Research and Recent Eruptive Activity."

Thursday, Dec. 9

Chemistry, 12:45 p.m., Room 333 Whitmore. Peter M. Hierl, University of Kansas, on "Chemical Accelerator Studies of Reaction Dynamics."

Anthropology, 3:30 p.m., Room 107 Carpenter. Jack Sweitzel, University of Massachusetts, Amherst, on "Historical Demographic Perspectives on the Connecticut Valley."

Physics and Microbiology, 3:50 p.m., Room 117 Osmond. L. E. Casida, microbiology, on "The Microscope and Microorganisms: van Leeuwenhoek and the 300 Years Since."

Computer Science, 4 p.m., Room 108 Forum. Allen J. Rose, Scientific Time Sharing Corp., on "Large Database Applications in APL." At 8 p.m., on "I Don't Like All Those Funny Looking Symbols."

Ecology, 4 p.m., HUB assembly room. Henry S. Horn, Princeton University, on "Social Systems and Sexual Chauvinism in Butterflies."

IRS threatens

(Continued from page one)

tion of College and University Business Officers, Penn State intends vigorously to oppose the proposed Treasury regulations."

It is estimated that some 70 to 80 per cent of the institutions of higher education in this country (along with most prep schools) provide tuition remissions to dependents. A spokesman for the IRS, which has invited written comments on the rules through Dec. 17 and has indicated it will probably hold public hearings, says, "Nothing's carved in cement. We think we have solid grounding in the law to do this."

Funding opportunities

(250-1) The U.S. Army Research Office (ARO) has released a new Program Guide. Scientific programs funded include: atmospheric and terrestrial sciences, biology, chemistry, electronics, mathematics, mechanics and aeronautics, metallurgy and materials, and physics (Ref. Ibid.)

(250-2) NSF has issued general information on its Law and Social Sciences Program, which relates to law-related interdisciplinary matters in social science methodology. Criminal justice work is downplayed. Accumulation of general knowledge which is quantifiable and replicable is emphasized, as is data gathering and analysis. (Ref. NSF 76-63b)

(250-3) NSF is re-issuing its brochure, **Grants for Scientific Research,** as NSF 76-36 (replacing NSF 73-51). Copies will be distributed. (Rec. NSF telecon)

(250-4) OE announces a Jan. 25 deadline for **Bilingual Vocational Training** programs (Rot. 41FR50722-23 11/17/77) (CFDA 13.558)

(250-5) The DHEW Office of the Assistant Secretary Comptroller announces a Jan. 14 deadline for preapplications for the **Fund for the Improvement of Postsecondary Education** (FIPE). Final applications are due March 25. Non-competing continuation applications have a Feb. 1 deadline. (Rel. 41FR50723, 11/17/76) (CFDA 13.925)

(250-6) NSF has issued a memorandum defining **Categories of NSF Grants.** These include: standard grant, continuing grant, elimination of "more commitment grant," renewals, and extensive investigations — supplement, no-cost extension, and reduction. (Rel Ioid O/O 76-42)

Fellowships (FOTS-28)

(For further information inquire of 317 Kern, 865-2514)

(250-7) AAUW — doctoral and postdoctoral research for women in the professions, Dec. 15.

(250-8) PSU Graduate School grants-in-aid, Jan. 3.

(250-9) John Dewey Foundation — essay competition, June 1.

From the Penn State Press

Ideal Man in Classical Sociology: The Views of Comte, Durkheim, Pareto, and Weber, 174 pages, by Peter Roche de Coppens.

In this book, Dr. de Coppens, of the faculty of East Stroudsburg State College, shows that the four recognized founders of scientific sociology each held a clear vision of the ideal human being and demonstrates how their visions inform the work of the classical sociologists by establishing norms for their analyses of social relations. He thus traces the taproots of classical sociological ideas and the ramifications of those ideas in systems that have had profound effects on the thinking of others.

Modern Organizations of Vocational Education, 302 pages, by Angelo C. Gilli Sr.

Formerly a Penn State faculty member, Dr. Gilli is now professor of education at Texas Southern University. His book is an effort to provide a basis for a greater understanding of the American vocational education delivery system through an examination and analysis of its various constituent educational organizations. Dr. Gilli analyzes certain basic elements of organizational theory used by influential leaders in the field and discusses various components within the delivery system — vocational high schools, junior and senior colleges, technical schools, etc. Important developments in vocational education get special attention, including the universal college concept, the dual delivery system, the shift in governance from state and local to regional units, and the growth of postsecondary vocational education. In a final section, he attempts to forecast what vocation education may be in 1980 and beyond.

Modern Potting Composts, a manual on the preparation and use of growing media for pot plants, 277 pages, by A. G. Gibb.

Much of the information in this book is based on previously unpublished studies made by the author at the Glasshouse Crops Research Institute and at the John Innes Institute. The book is written for the professional horticultural student. A prepublication review has suggested it is likely to become "the nurseryman's Bible and the research and experimental worker's source book." It is the only up-to-date, book-length treatment of its subject in English.

The Effects of Mass Communication on Political Behavior, 308 pages, paperbeck, by Sidney Kraus and Dennis Davis.

The authors, both of whom are members of the department of communication, Cleveland State University, seek to provide students, scholars and even politicians who study political communication with a review of and commentary on what is known about the field, what is not yet known, what ought to be known, and how we measure, assess and evaluate the effects of mass communication on political behavior. Differences between the communication process and the political process are set forth, as well as the respective effects of mass communication on political socialization, the electoral process and political information. Approaches to mass communication institutions in political theory are evaluated, and a new model for a political system incorporating such institutions is advanced. Also included is a critical analysis of methods of political communication research as well as a proposed new method. Comprehensive bibliographies and abstracts of salient books and articles are incorporated.

John Barth: An Introduction, 194 pages, by David Morrell.

Dr. Morrell, author of two novels, earned his Ph.D. at Penn State and is now teaching writing at the University of Iowa. He considers this study merely an introduction to Barth's work, but hopes to provide "a reasonably complete insight into the general nature of Barth's fiction" to an audience of "educated and non-specialist readers — lay people as opposed to academics — who are interested enough to want to read Barth and learn about him." His method is threefold. The story behind each book is told, how Barth got the idea for the book and developed it; the book's reception is described; and the book itself is analyzed and interpreted.

Saturday, Jan. 15
Artists Series: Rudolf Serkin, pianist, 8:30 p.m., University Auditorium
Faculty Women's Club Mid-Winter Brunch, 9:30 a.m.-noon, Nittany Lion Inn.
Last date for final oral doctoral exams for March grads
Last date for March grad, to submit Master's thesis to Adviser.
Sports: Women's basketball, vs. Cheyney, 2 p.m.; men's and women's gymnastics, vs. Southern Illinois, 7:30 p.m.; men's fencing, vs. Jersey City State, 2 p.m.; men's rifle, 2 p.m.; wrestling, vs. West Chester, 2 p.m.

Sunday, Jan. 16
PSOC Hiking Division, circuit hike from Furnace Slate Park, 9 a.m., HUB parking lot.
Chapel Service, 11 a.m., Eisenhower Chapel. Multi-Purpose Room. Dr. Kenneth Smith, Colgate Rochester Divinity School.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Martin Luther King Memorial Service.

WEEK OF JANUARY 17

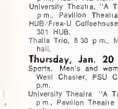
Monday, Jan. 17
Color Slide Club meeting, 7:30 p.m., Room 112 Kern.
Juna Miller, organ, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Jan. 18
College of Agriculture Faculty meeting, 4 p.m., Rooms 301 A&B. Ag. Adm. Bldg.
Comp Lit Luncheon, 12:15 p.m., Faculty Club.
Gallery Talk, Anatonaite Kraushaar, Kraushaar Gallery, NYC, LeRoy Daws and Cecily Langdale, Davis and Long Co., NYC, on Collecting, Selecting, and Dealing with Dealers," 8 p.m., Museum of Art.

Wednesday, Jan. 19
Sigma Xi Lecture, 12 noon, Room 101 Kern, Dr. Rosemary Schraer.
GSA Commonspace Theatre, 7:30 and 9:30 p.m., Room 112 Kern.
University Theatre, "A Taste of Honey," 8 p.m., Pavilion Theatre.
HUB-Free-U Coffeehouse, 8:30 p.m., Room 301 HUB.
Thalia Trio, 8:30 p.m., Music Bldg. recital hall.

Thursday, Jan. 20
Sports: Men's and women's bowling, vs. West Chester, PSU Capitol Campus, 3 p.m.
University Theatre "A Taste of Honey," 8 p.m., Pavilion Theatre

Friday, Jan. 21
Artists Series, Philadelphia Composers' Forum, 8:30 p.m., Schwab.
University Theatre, "A Taste of Honey, 8 p.m., Pavilion Theatre
Experimental play, "The Gas Heart," 7:30 and 9 p.m. HUB assembly room
HUB/WEHR Spotlight Disco, 9 p.m., Room 301 HUB.



Saturday, Jan. 22
Sports: Men's basketball, vs. Villanova, 7:30 p.m.; men's rifle, vs. Indiana (Pa.), 2 p.m., wrestling, vs. Clarion, 2 p.m.
Experimental play, "The Gas Heart," 7:30 and 9 p.m. HUB assembly room.
University Theatre, "A Taste of Honey," 8 p.m., Pavilion Theatre
Campus 4-H Club Square Dance, 7:30 p.m., HUB ballroom.

Sunday, Jan. 23
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. David L. Haddan, Presbyterian Church, Slate College.
Black Christian Fellowship worship service, 11:15 a.m., Multi-Purpose Room, Eisenhower Chapel. Pastor Gerald G. Loyd.
Fran Moskovitz, flute, 3:30 p.m., Music Bldg. recital hall.
Reception, Student Paintings and Ceramics, 3-5 p.m., Zoller Gallery.

WEEK OF JANUARY 24



Monday, Jan. 24
France Cinema, "The Umbrellas of Cherbourg," 7 and 9 p.m. Room 112 Kern
Raymond Brown, bass-baritone, 8:30 p.m. Music Bldg. recital hall

Tuesday, Jan. 25
Comp Lit Luncheon, 12:15 p.m., Faculty Club.
University Theatre, "A Teste of Honey," 8 p.m., Pavilion Theatre.

Wednesday, Jan. 26
Artists Series Film Festival, Truffaut, "The Bride Wore Black," 6 p.m., University Auditorium.
GSA Commonspace Theatre, 7:30 and 9:30 p.m., Room 112 Kern.
University Theatre, "A Taste of Honey," 8 p.m., Pavilion Theatre.
HUB/Free-U Coffeehouse, 8:30 p.m., Room 301 HUB.
Musica da Camera, 8:30 p.m., Music Bldg. recital hall.

Thursday, Jan. 27
Women In Communications and University Readers, "Women in Literature — Past, Present and Future," a dramatic reading, 8 p.m., Room 112 Kern.
University Theatre, "A Taste of Honey," 8 p.m., Pavilion Theatre.

Friday, Jan. 28
Univ. Model United Nations Assembly, opening session, speakers from the United Nations on the question of South Africa, 8 p.m., HUB assembly room.
University Readers and Women in Communications, "Women in Literature — Past, Present and Future," a dramatic reading, 8 p.m., Room 112 Kern.
GSA Commonspace Coffeehouse, 8 p.m., Room 102 Kern
Sports: Hockey, vs Penn JV, 7:30 p.m.; University Theatre, "A Taste of Honey," 8 p.m., Pavilion Theatre.
Rec and Parks Dept Career Conference, 8 a.m.-5 p.m., HUB ballroom.
Carla Smith, piano, and Lauri Mongi, piano, 8:30 p.m., Music Bldg. recital hall.



Saturday, Jan. 29
Univ. Model United Nations Assembly, all day session starting 9 a.m., Rooms 332, 324 HUB.
Sports: Women's basketball, vs Indiana (Pa.), 2 p.m.; men's basketball, vs Pittsburgh; men's swimming, vs. Edinboro, 2 p.m.
University Theatre, "A Taste of Honey," 8 p.m. Pavilion Theatre.
Rec and Parks Career Day Conference, 8 a.m.-5 p.m., HUB ballroom.

Sunday, Jan. 30
Chapel Service, 11 a.m., Eisenhower Chapel. Mr. Mahmoud Reshdan, Muslim Student Association of U.S. and Canada
Black Christian Fellowship worship service, 11:15 a.m., Multi-Purpose Room, Eisenhower Chapel. Elder John Loyd.
Univ. Model United Nations Assembly, Rooms 323, 324, HUB.
Sports: Hockey, vs. Univ. of Delaware, 7:30 p.m. Mid-Atlantic Collegiate Hockey Conference game

WEEK OF JANUARY 31

Monday, Jan. 31
Last date for March grad's thesis to be submitted to Graduate School.
Last date for Depts. to certify completion of required papers for March grad.
The first day for signing Spring Term NDSL & University Long Term Loans, Room 106 Shields.
Douglas Smith, baritone, 8:30 p.m., Music Bldg. recital hall.



Tuesday, Feb. 1
Fixed date for meetings involving Commonwealth Campus Faculty
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
Sports: Women's basketball, vs. Maryland, 3 p.m.
Comp Lit Luncheon, 12:15 p.m., Faculty Club.
GSA Photography Workshop, 8 p.m., Room 101 Kern.
Alpha Phi Omega Bloodmobile, 10 a.m.-4 p.m., HUB ballroom.

Wednesday, Feb. 2
Sports: Men's and women's gymnastics, vs. Pittsburgh, 7:30 p.m.; men's swimming vs Maryland, 2:30 p.m.
GSA Commonspace Theatre, 7:30 and 9:30 p.m., Room 112 Kern.
Alpha Phi Omega Bloodmobile, 10 a.m.-4 p.m., HUB ballroom.
HUB-Free-U Coffeehouse, 8:30 p.m., Room 301 HUB.
Afaid String Quartet, 8:30 p.m., Music Bldg. recital hall.

Thursday, Feb. 3
Sports: Women's swimming and diving, vs. Bloomsburg, 4 p.m., women's basketball, vs. Slippery Rock, 6:30 p.m., men's basketball, vs. Army, 7:30 p.m.; hockey, vs Villanova 7:30 p.m., Mid-Atlantic Collegiate Hockey Conference game.
University Theatre, "The Beggar's Opera," (John Gay), 8 p.m., Playhouse Theatre.

Friday, Feb. 4
Artists Series, Royal Winnipeg Ballet, 8:30 p.m., University Auditorium.
Last day for signing Winter Term NDSL and University Long Term Loans, Room 106 Shields.
GSA Commonspace Coffeehouse, 8 p.m., Room 102 Kern.
PSOC Hiking Division, moonlight hike up Shingletown Gap Trail.
University Th., ire, "The Beggar's Opera," (John Gay), 8 p.m., Playhouse Theatre.
Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.

Saturday, Feb. 5
Artists Series, Leningrad Symphony Orchestra, 8:30 p.m., University Auditorium
Sports: Men's and women's bowling, vs. Shippensburg, St. Vincents, 1 p.m., men's and women's gymnastics, vs. Temple, 7:30 p.m.; women's swimming and diving, vs. Princeton, 7 p.m.
University Theatre, "The Beggar's Opera," (John Gay), 8 p.m., Playhouse Theatre

Sunday, Feb. 6
Chapel Service, 11 a.m., Eisenhower Chapel. Reverend John Wenzke, Lutheran Student Pastor
Black Christian Fellowship worship service, 11:15 a.m., Multi-Purpose Room, Eisenhower Chapel. Pastor Gerald G. Loyd.
Sports: Hockey, vs. West Chester, 7:30 p.m. Mid-Atlantic Collegiate Hockey Conference game.
Myra Jacobson, cello, 3:30 p.m., Music Bldg recital hall.
Reception, Recent Works by James Stephenson, 2-5 p.m., Museum of Art.
Reception, Work by Harold Allman, 3-5 p.m., Zoller Gallery.

WEEK OF FEBRUARY 7

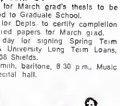
Monday, Feb. 7
Lata date for add/line.
Raymond Page, viola, 8:30 p.m., Music Bldg. recital hall.

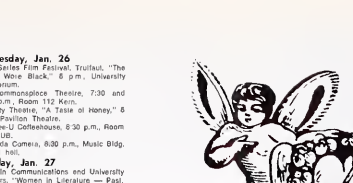
Tuesday, Feb. 8
Comp Lit Faculty Luncheon, 12:15 p.m., Faculty Club.
University Theatre, "The Beggar's Opera," (John Gay), 8 p.m., Playhouse Theatre.

Wednesday, Feb. 9
Penn State Brass Chorale, 8:30 p.m., Music Bldg. recital hall.
HUB-Free-U Coffeehouse, 8:30 p.m., Room 301 HUB.

Thursday, Feb. 10
Artists Series, Rampal and Veyron-LaCroix, flute and harpsichord, 8:30 p.m., Schwab Auditorium.
A.A.U.W. meeting, 8 p.m., Room 101 Kern. "The Political Woman."
University Theatre, "The Beggar's Opera," (John Gay), 8 p.m., Playhouse Theatre
HUB-WEHR Spotlight Disco, 9 p.m. HUB ballroom.

Saturday, Feb. 12
Sports: Women's fencing, vs. William Paterson, Madison, Jersey City, 9 a.m., men's fencing, vs. Navy, 1 p.m., men's and women's bowling, vs. American University, 1 p.m.; men's rifle, vs. Ohio State, 2 p.m.; men's basketball, vs. Navy, 7:30 p.m.; men's swimming, vs. Indiana, 2 p.m.; wrestling, vs. Lehigh, 2 p.m.
Un-Common Dinner Theatre, dinner, 6:30 p.m., play, "Veronica's Room," 8 p.m., Rooms 102 and 103 Kern.
University Theatre, "The Beggar's Opera," (John Gay), 8 p.m., Playhouse Theatre.
Penn State Symphony Orchestra, 8:30 p.m., University Auditorium.





Sunday, Feb. 13
Chapel Services, 11 a.m., Eisenhower Chapel. Dr. Yoshio Fukuyama, Religious Studies.
Black Christian Fellowship worship service, 11:15 a.m., Multi-Purpose Room, Eisenhower Chapel. Pastor Garald G. Loyd.
PSOC Hiking Division, snowshoe hike, 9 a.m., HUB parking lot.



Un-Common Dinner Theatre, dinner 6:30 p.m., play, "Veronica's Room," 8 p.m., Rooms 102 and 112 Kern.
Lowell Knauer, organ, and Kevin Clements, organ, 3:30 p.m., Music Bldg. recital hall.
PSOC Canoe Division, Penn State Pool Slalom, indoor canoe and kayak races at Nalesbirlum, finals 2 p.m., admission free

WEEK OF FEBRUARY 14

Tuesday, Feb. 15
Artists Series Film Festival, Hitchcock, "Secret Agent," 6 p.m., University Auditorium.
Sports: Women's basketball, vs. Edinboro, 6:30 p.m.

Wednesday, Feb. 16
Sports: Men's basketball, vs. West Virginia, 7:30 p.m.
GSA Commonspace Theatre, 7:30 and 9:30 p.m., Room 112 Kern.
Composer's Concert, 8:30 p.m., Music Bldg. recital hall.
HUB/Free-U Coffeehouse, 6:30 p.m., Room 301 HUB.

Thursday, Feb. 17
Sports, Women's gymnastics, vs. Clarion, 7:30 p.m.; woman's swimming and diving, vs. Bucknell, 7 p.m.

Friday, Feb. 18
Last day for signing Winter Term Emergency Loans, Room 108 Shields.
International Council film, "Loves of a Blond," 8 p.m., Room 112 Kern.
HUB/WEHR Spotlight Disco, 9 p.m., HUB ballroom.

Saturday, Feb. 19
Winter Term classes end 12:25 p.m.
Last date for grad student to petition to graduate in absentia in March.
Sports: Men's and women's bowling, Penn State Invitational, 1 p.m.; women's basketball, vs. Millersville, 2 p.m.; women's swimming and diving, vs. Clarion, Edinboro, Stroudsburg, 2 p.m.; men's and women's gymnastics, vs. Indiana State, 7:30 p.m.

Sunday, Feb. 20
PSOC Hiking Division, exploration of old Hairy John's Trail, 9 a.m., HUB parking lot.
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Donald H. Ford, Dean, College of Human Development.
Black Christian Fellowship worship service, 11:15 a.m., Multi-Purpose Room, Eisenhower Chapel. Pastor Gerald G. Loyd.

WEEK OF FEBRUARY 21

Monday, Feb. 21
Color Slide Club meeting, 7:30 p.m., Room 112 Kern.
Final examinations.

Tuesday, Feb. 22
Final examinations.
Sports: Women's basketball, vs. Lock Haven, 4:30 p.m.

Wednesday, Feb. 23
Final examinations
Sports: Men's basketball, vs. Duquesne, 7:30 p.m.; men's swimming, vs. Villanova, 2:30 p.m.

Thursday, Feb. 24
Final examinations.
Sports, Women's swimming and diving vs. Maryland, 4 p.m.

Saturday, Feb. 26
Sports: Men's rifle, vs. Kutztown, 2 p.m., wrestling, vs. Montclair State, 7:30 p.m.

Sunday, Feb. 27
Black Christian Fellowship worship service, 11:15 a.m., Multi-Purpose Room, Eisenhower Chapel. Rev. Charles L. Coleman.

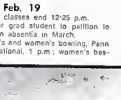
WEEK OF FEBRUARY 28

Tuesday, Mar. 1
College of Agriculture Faculty meeting, 4 p.m., Rooms 301 A&B Ag. Adm. Bldg.
Sports: Women's basketball, vs. Delaware, 6:30 p.m.

Saturday, Mar. 5
Commencement

WEEK OF MARCH 7

Tuesday, Mar. 8
Fixed date for meetings involving Commonwealth Campus faculty.
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.



EXHIBITS

Museum of Art:
Hours for the Museum of Art are noon-5 p.m., Tuesday through Sunday.
Through Dec. 22: Contemporary British Potters and Recent Accessions, Gallery B.
Through Jan. 18: From Gothic to Baroque, Gallery C.
Through Jan. 30: Contemporary Figurative Paintings from the Permanent Collection, Gallery A.
Jan. 2-May 30: Selections from the Permanent Collection, Gallery B.
Jan. 29-Mar. 27: The Meleniti Dominent (some current artists and their media), Gallery C.
Feb. 6-Mar. 20, Recent Works by James Stephenson, Gallery A.

Zoller Gallery:
Dec. 5-Dec. 14: Faculty Christmas Exhibition.
Dec. 17-Dec. 22: Student Christmas Sale.
Jan. 8-Jan. 16: Student Sculpture Exhibit.
Jan. 21-Jan 31: Student Painting and Ceramics
Feb. 3-Feb. 16: Work by Harold Allman.

212A Arts Bldg:
Hours are 1 to 5 p.m., Monday through Thursday.
Dec. 6-Dec. 23: Photographs by Richard Stoner, Mark Forker, and Barbara Brubaker.
Jan. 31-Feb. 18. Photographs by Marcia Prager.

Kern Bldg. Gallery.
Dec. 4-Jan 2 Canadian Art Exhibit.
Jan. 2-Jan. 16: Scholastic Art Show.
Jan. 16-Feb 5: Artsed Juried Print Exhibit
Jan 16-Jan. 30 Gloria Scaliz (Silkshirt)
Feb. 5-Feb. 26. Nabil El-Hussenii (Multi-Media).

Chambers Gallery:
Dec. 2-Dec 22 "Teachers, Children and Art Education" — photographs, Artifact Tools.
Jan. 4-Jan. 27 Art Education Graduate Students Exhibition — mixed media
New Kensington Campus Gallery.
Hours are 9 a.m to 9 p.m., Monday through Thursday, 9 a.m to 5 p.m., Friday 1 to 5 p.m., Saturday and Sunday.
Jan. 10-Feb. 2: Photographs by John S. Alexandrowicz
Feb. 7-Mar. 4 Photographs by Michael Kanakis and John McNaiepe.

Winter Term 1976-77 Calendar

The Pennsylvania State University University Park Campus

Friday, Dec. 3
Sports Wrestling, Penn State Invitational
GSA Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Arts Series, The Young Vic, "Oedipus," 8:30 p.m., University Auditorium
HUB-WEHR Spotlight Disco, 9 p.m., HUB ballroom

Saturday, Dec. 4
Sports, Penn State Swimming and Diving Championships; wrestling, Penn State Invitational.



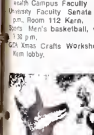
Arts Series, The Young Vic, "The Tempest of the Shaw," 8:30 p.m., University Auditorium.
Film, "A Warm December," 8 p.m., Willard Bldg.

Sunday, Dec. 5
Chapel Service, 11 a.m., Eisenhower Chapel, Dr. Beverly Wildung Harrison, Union Theological Seminary, New York.
Black Christian Fellowship worship service, 11:15 a.m., Multi-Purpose Room, Eisenhower Chapel.
Brass Choir Society, 7 p.m., Room 102 Kern.
Recital registration, 1-9 p.m., HUB ballroom
PSOC Hiking Division, trail cross-country R to winter State Park, 9 a.m., HUB parking lot
Bryan Creek Nature Center, nature films, 2 p.m., Stone Valley Recreation Area.
Sports: Hockey, vs. Carnegie Mellon Univ., 7:30 p.m.

WEEK OF DECEMBER 6

Monday, Dec. 6
GSA Issue Crafts Workshop, 11:30 a.m., Kern lobby.
Nicholas Parkinson, Australian Ambassador to the U.S., on "Changing Patterns in South East Asia: An Australian Perspective," 8 p.m., Room 121 Kern.
Pershing Club, 7 p.m., HUB assembly room.
Dr. Charles Hollister, School of Veterinary Medicine, Univ. of Penn.
Holzwinch Gallery print sale, 9 a.m.-5 p.m., HUB Art Gallery.
Recital Registration, Requetball tournament for faculty-staff and undergraduate division, entry open; coed volleyball, entry open; Intramural Bldg.

Tuesday, Dec. 7
Deadline for meetings involving Commonwealth Campus Faculty
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
Sports: Men's basketball, vs. Muhlenberg, 7:30 p.m.
GSA Xmas Crafts Workshop, 11:30 a.m., Kern lobby.



Nicholas Parkinson, Australian Ambassador to the U.S., on "Current Australian Foreign Policy: Continuities and Contrasts," 8 p.m., Room 124 Sparks.
Women in Communications, 7:30 p.m., Room 301 HUB Rodelle Weintraub, English, on "Uncommunists Against Anyone and How to Recognize It."
Holzwinch Gallery print sale, 9 a.m.-5 p.m., HUB Art Gallery.
Survey Talk, William Hull, Director, Museum of Art, on "Contemporary British Pottery," 10:30 a.m., Museum of Art
Alfred Miller, mezzo-soprano, guest recital, 8:30 p.m., Music Bldg. recital hall.

Wednesday, Dec. 8
Arts Series Film Festival, Truffaut, "The Soft Skin," 8 p.m., University Auditorium.
Pool and Crafts Exhibition and sale, 10 a.m.-6 p.m., Block Cultural Center.
GSA Xmas Crafts workshop, 11:30 a.m., Kern lobby.
GSA Commonspace Theatre, 7:30 and 9:30 p.m., Room 112 Kern.
College of HPER Graduate Colloquium, 7:30 p.m., Room 101 Kern. "Olympics: Ideation or Ideogy?"
Penn State Karate Club, 7 p.m., HUB ballroom. Introductory meeting, demonstration.

PSOC Hiking Division, 7:30 p.m., Room 214 Boucke Equipment show by AOH, Allard String Quartet, 8:30 p.m., Music Bldg. recital hall.
Waskewitch Gallery print sale, 9 a.m.-5 p.m., HUB Art Gallery.
Free U Coffeehouse, 8:30 p.m., Room 301 HUB.

Thursday, Dec. 9
Arts and Crafts Exhibition and sale, 10 a.m.-6 p.m., Black Cultural Center.
Sports: Wrestling, vs. Florida, 7:30 p.m.
GSA Xmas Crafts Workshop, 11:30 a.m., Kern lobby.
Waskewitch Gallery print sale, 9 a.m.-5 p.m., HUB Art Gallery.
International film, Bergmen, "The Seventh Seal," HUB assembly room.
Intramural Sports: Requetball tournament for faculty-staff, undergraduate division, entry close; coed volleyball, entry close; Intramural Bldg.

Friday, Dec. 10
Arts and Crafts Exhibition and sale, 10 a.m.-6 p.m., Black Cultural Center.
Last date for grad. students to register with For. Lang. Dept. (other than French and Spanish) for written language exam.
Noontime Concert, OMA & MOE Madrigal Sing, 12 noon, Kern lobby
GSA Commonspace Coffeehouse, 8 p.m., Room 102 Kern
Genetics Fall Symposium, "Molecular Genetics and the Second Green Revolution," starting 10:30 a.m., Room 112 Kern.
Waskewitch Gallery print sale, 9 a.m.-5 p.m., HUB Art Gallery.
Karan Keating, piano, 8:30 p.m., Music Bldg. recital hall
HUB-WEHR Spotlight Disco, 9 p.m., HUB ballroom.

Saturday, Dec. 11
Sports: Women's swimming and diving, vs. Lehigh, 11 a.m., men's and women's bowling, vs. Edinboro, 1 p.m.; men's swimming and diving, vs. Lehigh, 2 p.m.; men's and women's gymnastics, vs. Massachusetts, 7:30 p.m.
Inter-Versity Fellowship Coffeehouse, 8 p.m., Room 301 HUB.
Madrigal Dinner, 16th Century Olde English Yuletide Feast, 6:30 p.m., Room 102 Kern.
Council of Branch Campuses, 10 a.m.-5 p.m., Room 301 HUB.
Second Annual "Messiah" Sing-in, 8:30 p.m., University Auditorium.
Opera, "Down in the Valley," 8 p.m., Playhouse Theatre.

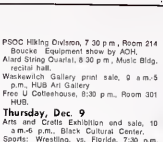
Sunday, Dec. 12
Chapel Service, 11 a.m., Eisenhower Chapel, Reverend Charles L. Coleman, Program Director of Religious Affairs.
Mu Phi Epsilon, 3:30 p.m., Music Bldg. recital hall. Benefit recital for Mary Jadele Competition.
PSOC Hiking Division, circuit hike from 7 Mountains Roadside Rest, 9 a.m., HUB parking lot.
Madrigal Dinner, 16th Century Olde English Yuletide Feast, 6:30 p.m., Room 102 Kern.
Opera, "Down in the Valley," 3 p.m., Playhouse Theatre.
Black Christian Fellowship worship service 11:15 a.m., Multi-Purpose Room, Eisenhower Chapel. Melvin Jenkins.

WEEK OF DECEMBER 13

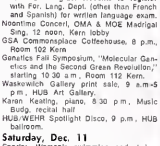
Monday, Dec. 13
Add deadline.
Noontime Concert, "Recreation," 12 noon, Kern lobby.
Frame Cinema "Playtime," 7 and 9 p.m., Room 112 Kern.
Trim the Tree Workshop, 10 a.m.-4 p.m., HUB north lounge
Monte Bedford, oboe, 8:30 p.m., Music Bldg. recital hall
Intramural Sports: Swimming tournament, undergroduate division, sing. elim., entry open, close Dec 16, starts Jan. 4

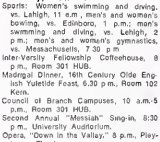
Tuesday, Dec. 14
Artists Series Film Festival, Hitchcock "Murder," 8 p.m., University Auditorium.
Comp Lit Luncheon, 12:15 p.m., Faculty Club. Henry Johnstone, philosophy, on "The Categories of Time."
Coaly Society Speaking Contest, 7 p.m., HUB assembly room.
Women in Communications, 7:30 p.m., HUB assembly room. Fran Lee, consumer advocate, on "Consumerism and Rip Offs," Jacques Vraus and Related Blindness."
GSA Council meeting, 7 p.m., Room 101 Kern.
University Readers, Christmas Readings, 7:30 p.m., HUB reading room. Refreshments.

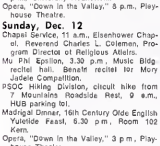


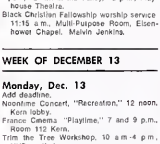


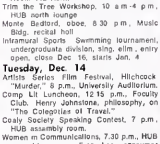


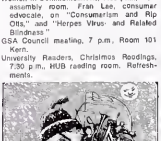














Intramural Sports Play leagins for raquet ball tournaments and coed volleyball.

Wednesday, Dec. 15
Coaly Society Speaking Contest, 7 p.m., HUB assembly room
Women in Communications, 1:30 p.m., HUB ballroom. Fran Lee, consumer advocate, on "Swine Flu and the Hoax," and "Estrogen and Menopause."
Noontime Concert, 12 noon, Kern lobby.
GSA Commonspace Theatre, 7:30 and 9:30 p.m., Room 112 Kern.
Christmas Crafts Demonstrations, HUB first floor, 11 a.m.-2 p.m.
Five O'Clock Theatre, "Gone by Morning," 5 p.m., Pavilion Theatre
Hetzel Union Board/Free-U Coffeehouse, 8:30 p.m., Room 301 HUB.
Composer's Concert, 8:30 p.m., Music Bldg. recital hall.

Thursday, Dec. 16
University Readers and Women In Communications, "Miscellania Christmas," 8 p.m., Room 112 Kern.
Coaly Society Speaking Contest, 7 p.m., HUB assembly room.
Noontime Concert, Jerry Loyd Ensemble, 12 noon, Kern lobby.
Five O'Clock Theatre, "Gone by Morning," 5 p.m., Pavilion Theatre.

Friday, Dec. 17
University Readers and Women In Communications, "Miscellania Christmas," 8 p.m., Room 112 Kern
Noontime Concert, Phi Mu Alpha and Mu Phi Epsilon, Traditional Xmas Carols, 12 noon. Kern lobby
International Coffeehouse, 8 p.m., Room 102 Kern.
Five O'Clock Theatre, "Gone by Morning," 5 p.m., Pavilion Theatre
Holiday Candlelight Dinner, HUB Terrace Room.

HUB-WEHR Spotlight Disco, 9 p.m., HUB ballroom.
Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.

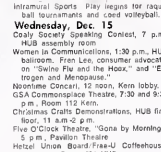


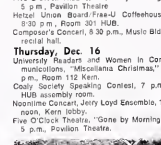






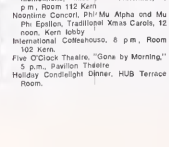












Intramural Sports. Wrestling tournament, undergraduate division, sing. elim., entry open, close Jan. 20, starts Jan. 25.

Saturday, Dec 18
Sports, Men's fencing, vs. New York University, 2 p.m., wrestling, vs. Lock Haven, 2 p.m.
PSOC Hiking Division, crazy cold winter solstice backpack, 9 a.m., HUB parking lot
International Coffee social, 8:30 p.m., Rooms 320, 321, 322 HUB

Sunday, Dec. 19
Chapel Service, 11 a.m., Music Bldg. recital hall, The All-Faith Choir, "Navidad Nuestra."
Black Christian Fellowship worship service, 11:15 a.m., Multi-Purpose Room, Eisenhower Chapel Pastor Gerald G. Loyd.
PSOC Hiking Division, crazy cold winter solstice backpack, 9 a.m., HUB parking lot.
Sports: Hockey, vs. Rutgers, 7:30 p.m., Mid-Atlantic Collegiate Hockey Conference game
Penn State Brass Chorale and Penn State Glee Club, Christmas Concert, 2:30 p.m., Schwab.
All-Faith Choir Christmas service, 11 a.m., Music Bldg. recital hall.

WEEK OF DECEMBER 20

Monday, Dec. 20
File for Pass/Fail.
Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Tuesday, Dec. 21
File for Pass/Fail.
Sports: Men's basketball, vs. St. Francis (Pa.), 7:30 p.m.
Comp Lit Luncheon, 12:15 p.m., Faculty Club, Terry Peiviar, Spanish, on "The Novel in Cuba"

Wednesday, Dec. 22
Drop deadline (21 day).
Course repeat deadline.
Preregistration deadline
Winter Term recess begins 9:55 p.m

Sunday, Dec. 26
Black Christian Fellowship worship service, 11:15 a.m., Multi-Purpose Room, Eisenhower Chapel, Elder Gary Abdullah

Sunday, Jan. 2
Black Christian Fellowship worship service, 11:15 a.m., Multi-purpose room, Eisenhower Chapel, Pastor Gerald G. Loyd

WEEK OF JANUARY 3

Monday, Jan. 3
Winter Term classes resume, 8 a.m.
Sports: Men's basketball, vs. Colgate, 7:30 p.m.

Tuesday, Jan. 4
Artists Series Film Festival, Hitchcock, "The Man Who Knew Too Much," 8 p.m., University Auditorium.
Fixed date for meetings involving Commonwealth Campus Faculty.
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
Last date for written For. Leng. Exams (other than French and Spanish).
Comp Lit Luncheon, 12:15 p.m., Faculty Club.
Linguistics Program Lecture, 7:30 p.m., Room 101 Kern. Wolfgang Dressler on "Discourse Analysis."

Wednesday, Jan. 5
GSA Commonspace Theatre, 7:30 and 9:30 p.m., Room 112 Kern.
HUB/Free-U Coffeehouse, 8:30 p.m., Room 301 HUB

Thursday, Jan. 6
Linguistics Program Lecture, 7:30 p.m., Room 101 Kern. Wolfgang Dressler on "Language Change."

Friday, Jan. 7
Sports Basketball, Lady Lion Invitational, Rec Hall. Penn State vs. U. Connecticut, 7 p.m., Penn State vs. Texas (Austin), 9 p.m.
GSA Commonspace Coffeehouse, 8 p.m., Room 102 Kern.
HUB/WEHR Spotlight Disco, 9 p.m., HUB ballroom.

Saturday, Jan. 8
Last date for March grad to deliver doctoral thesis to Committee.
Sports, Basketball, Lady Lion Invitational, Rec Hall. Third place game, 7 p.m., championship game, 9 p.m., men's fencing, vs. Johns Hopkins, 1 p.m., vs. Pennsylvania, 3 p.m.; hockey, vs. Junior Flyers, 7:30 p.m.
OTIS and Rec Perks Casino Night, 7 p.m., HUB ballroom.
Penn State Symphony Orchestra, 8:30 p.m., University Auditorium

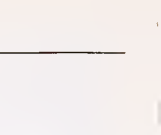
Sunday, Jan. 9
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Cari G. Vaught, philosophy
Black Christian Fellowship worship service, 11:15 a.m., Multi-Purpose Room, Eisenhower Chapel. Elder Harold McKenzie
PSOC Hiking Division, exploration on Centre Hall Mountain, 9 a.m., HUB parking lot
Reception, Student Sculpture Exhibit, 3-5 p.m., Zoller Gallery.

WEEK OF JANUARY 10

Monday, Jan. 10
France Cinema, "Murmur of the Heart," 7 and 9 p.m., Room 112 Kern.

Tuesday, Jan. 11
Artist Series Film Festival, Hitchcock, "The 39 Steps," 8 p.m., University Auditorium.
Comp Lit Luncheon, 12:15 p.m., Faculty Club.
GSA Council meeting, 7 p.m., Room 101 Kern.
Archaeological Institute of America Lecture, 8 p.m., Room 112 Kern.
USG Flea Market, all day, HUB ballroom.

Wednesday, Jan. 12
Sports: Men's basketball, vs. Syracusa, 7:30 p.m.
GSA Commonspace Theatre, 7:30 and 9:30 p.m., Room 112 Kern.
Oweda Raga, flute, 8:30 p.m., Music Bldg recital hall.
USG Flea Market, all day, HUB ballroom.



Thursday, Jan. 13
Sports Wrestling, vs. Maryland, 7:30 p.m.
GSA Bridge Workshop, 6 p.m., Room 102 Kern
USG Flea Market, all day, HUB ballroom.

Friday, Jan. 14
Sports Men's basketball, vs. George Washington, 7:30 p.m.
GSA Commonspace Coffeehouse, 8 p.m., Room 102 Kern
International Council film, "Haroldit," 6 p.m., Room 112 Kern.
USG Flea Market, all day, HUB ballroom.
Stevan Smith, piano, 8:30 p.m., Music Bldg recital hall
HUB-WEHR Spotlight Disco, 9 p.m., HUB ballroom

Elsewhere in academe

Tuition rotes up

Tuition rates for in-state undergraduate students show a median rise of 10 percent this year, according to a survey of member-institutions conducted by the National Association of State Universities and Land-Grant Colleges. Out-of-staters got even higher bills — a 12.5 percent increase over last year. Room and board costs were up about 7 percent. Inflation was the principal reason given by almost two-thirds of the 135 institutions contacted.

A chart of state and land-grant universities with the highest and lowest total charges for 1976-77 appears below. Included in the charges are tuition, fees, room and board.

RESIDENT

Highest	
Temple	$3,050
Univ. of Pittsburgh	2,866
Univ. of Vermont	2,840
St. Univ. of NY, Buffalo	2,730
Univ. of Delaware, Newark	2,654
Penn State	2,622
Rutgers Univ.	2,601
Univ. of Rhode Is.	2,574
Univ. of New Hampshire	2,557
Ohio Univ.	2,520
Lowest	
Lincoln Univ.	$1,230
South Carolina St. Coll.	1,240
Coll. of Virgin Is.	1,362
Univ. of Puerto Rico, Rio Piedras	1,388
Kentucky State Coll.	1,444
Univ. of Hawaii, Manoa	1,462
New Mexico St. Univ.	1,472
Alabama A&M Univ.	1,493
Univ. of Arkansas, Fayetteville	1,484
Pine Bluff	1,498

NONRESIDENT

Highest	
Univ. of Vermont	$4,870
Univ. of Michigan	4,765
Univ. of New Hampshire	4,547
Univ. of Calif., San Diego	4,266
Temple	4,250
Univ. of Calif., Irvine	4,224
U.C - Santa Barbara	4,202
Univ. of Calif., Berkeley	4,183
Univ. of Pittsburgh	4,076
Univ. of Calif., Davis	4,043
Lowest	
Lincoln Univ.	$1,630
Alabama A&M Univ.	1,763
Univ. of Arkansas, Pine Bluff	1,798
South Carolina St. Coll.	1,850
Coll. of Virgin Is.	1,862
Kentucky State Coll.	1,974
Southern Univ.	1,974
Univ. of Arkansas, Fayetteville	2,014
Virginia St. Coll.	2,116
Univ. of Hawaii, Manoa	2,137

Higher ed growth halted

Total college enrollment at public and private institutions is up 0.4 percent over a year ago, according to preliminary estimates by the National Center for Education Statistics. The increase is so small, however, that it is possible the final total may actually be smaller than last year, due to errors in the initial sampling. The figures do indicate that the 25-year steady growth of enrollments is ended — partly because of a 34 percent reduction in the number of veterans enrolled this year under the GI Bill. In contrast to the past 10-year period when public colleges and universities gained students at an average rate of 8.5 percent a year — more than four times the rate of private schools — this fall the private institutions increased their enrollment by 1.9 percent, and the public institutions showed no gains at all.

Minority figures drop

This fall, for the second straight year, the proportion of minority members in the overall entering class at the nation's 116 medical schools has dropped. In 1970, blacks, Mexican-Americans, mainland Puerto Ricans and American Indians comprised 2.8 percent of the first-year class at all medical schools. The proportion rose to 10 percent in 1974-75 and has now fallen to 9 percent.

Some highlights of copyright revision law summarized

On Oct. 19, 1976, the bill for the general revision of the United States copyright law was signed by the President. This new law specifies that, with few exceptions, its provisions are to be effective on Jan. 1, 1978. The new law will supersede the "Copyright Act of 1909," which will remain in force until the new law takes effect.

Some of the highlights of the new law which are most likely to affect University authors and administrators are summerized below by Dr. Robert F. Custard, University Patent Counsel:

Single National System — Instead of the present dual system of protecting works under the common law before they are published and under the Federal law after publication, the new law will establish a single system of statutory protection for all copyrightable works, whether published or unpublished.

Notice of Copyright — The present law requires, as a mandatory condition of copyright protection, that the published copies of a work bear a copyright notice. The new law calls for a notice on published copies, but omission or errors will not result in forfeiture of the copyright, and can be corrected within certain time limits.

Deposit and Registration — As under the present law, registration will not be a condition of copyright protection but will be a prerequisite to an infringement suit. The remedies of statutory damages and attorney's fees normally will not be available for infringements occurring before registration. Copies of works published with the notice of copyright are required to be deposited for the collections of the Library of Congress under provisions of the law making the copyright owner subject to penalties for failure to deposit after receipt of a demand by the Register of Copyrights.

Duration of Copyright — For works already under statutory protection, the new law retains the present term of copyright of 28 years from first publication, renewable for a second period of protection, but it increases the length of the second period from 28 to 47 years.

For works created after Jan. 1, 1978, the new law provides a term lasting for the author's life, plus an additional 50 years. For works made for hire, and for anonymous works, the new term will be 75 years from publication or 100 years from creation, whichever is shorter.

The new law does not restore copyright protection for any work that has gone into the public domain.

Fair Use — The new law recognizes the principle of "fair use" as a limitation on the exclusive rights of copyright owners. Factors to be considered in determining whether particular uses fall within this category are:

1) the purpose and character of the use, including whether such use is of a commercial nature or is for nonprofit educational purposes;

2) the nature of the copyrighted work;

3) the amount and substantiality of the portion used in relation to the copyrighted work as a whole; and

4) the effect of the use upon the potential market for or value of the copyrighted work.

Reproduction by Libraries — In addition to the provision for "fair use," the new law specifies conditions under which the making and distribution of single copies of works by libraries do not constitute copyright infringement. These conditions are:

1) the reproduction or distribution is made without any purpose of direct or indirect commercial advantage;

2) the collections of the library are (i) open to the public, or (ii) available not only to researchers affiliated with the library or with the institution of which it is a part, but also to other persons doing research in a specialized field;

3) the reproduction or distribution of the work includes a notice of copyright;

4) the copy is of no more than one article or other contribution to a copyrighted collection or periodical issue, or the copy is of a small part of any other copyrighted work; and

5) the copy becomes the property of the user, and the library has no notice that the copy will be used for any purpose other than private study, scholarship, or research.

Copyright Royalty Tribunal — The new law creates a Copyright Royalty Tribunal, whose purpose will be to determine whether copyright royalty rates, where such rates are established by the law, are reasonable; and, if not, to adjust them; it will also determine the distribution of statutory royalty fees.

Sound Recordings — The new law retains the provisions added to the present copyright law in 1972, which accord protection against the unauthorized duplication of sound recordings. The new law does not create a performance right in sound recordings as such.

Exempt Performances — The new law removes the present general exemption of public performance of nondramatic literary and musical works where the performance is not "for profit." Instead, it provides several specific exemptions for certain types of nonprofit uses, including performances in classrooms and instructional broadcasting.

Public Broadcasting — Under the new law, noncommercial transmissions by public broadcasters of music and graphic works will be subject to a form of compulsory licensing under terms and rates prescribed by the Copyright Royalty Tribunal.

Cable Television — The new law provides for the payment, under a system of compulsory licensing, of royalties for the secondery transmission of copyrighted works on cable television systems (CATV). The royalties are to be paid to the Register of Copyrights for distribution to the copyright owners by the Copyright Royalty Tribunal.

The Copyright Office will prepare regulations in accordance with the new law and will also revise its application forms, instructions, and other printed matter by Jan. 1, 1978. In order to make the transition from the old law to the new as smooth and efficient as possible, the Copyright Office will sponsor meetings covering topics of special interest to those groups affected by the new law.

Dr. Custard states that:

1) specific questions concerning the application of the new law are premature at this time;

2) he will answer general questions concerning University-related copyright problems;

3) the University Copyright Policy and Procedure will be revised before Jan. 1, 1978, to comply with the provisions of the new law, and

4) copies of the new law are available free of charge by writing to the Copyright Office, Library of Congress, Washington, DC 20559.

Staff vacancies

The following vacancies for positions classified as staff exempt or skill nonexempt have been listed with the University Employment Office, Tilden Hall. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Office, ext. 1387 (network line 475-1387). Applications for these skill vacancies will be accepted until 5 p.m., Dec. 9, 1976. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

WRITER, PUBLIC INFORMATION AND RELATIONS — University Park

Responsible to Head Inquiries Communications for effectively covering a variety of writing assignments for Intercom, the Reporter, and Faces of Penn State, and, also, in cooperation with the News Bureau, cover one or two schools on a "beat" basis. Bachelor's degree in journalism or liberal arts, with two years of experience as newspapers or magazines in writing positions. Must have a specialized knowledge of the communications media and how they operate, with an ability to write well, fast and accurately. An interest in educational programs is desired.

COLLEGE HEALTH NURSE — DuBois

Responsible administratively to the Dean of Student Affairs and professionally to the Director of Nursing Services for providing nursing care to the student body, including the treatment of minor and temporary illnesses and accidents, plus making appointments and referring students and employees to a physician or hospital when necessary. Graduate of an accredited nursing program or its equivalent and current licensure in Pennsylvania as a registered nurse. Two to three months of directly related experience with some public health experience or training.

THERAPEUTIC DIETITIAN — Hershey

Responsible to the Patient Nutritional Care Coordinator for maintaining the nutritional status of patients by interpreting diet prescriptions, individualizing menu plans, evaluating food consumption and counseling in the application of the principles of nutrition to the selection of food. Graduate of an accredited college or university with a bachelor of science degree in foods and nutrition or related field, preferably an AOA membership. Over one and up to two years of directly related experience.

BUSINESS MANAGER — Wilkes-Barre Campus

Responsible to the Campus Director for University business matters on Wilkes-Barre Campus, including the maintenance and operation of buildings; coordination with the Office of Personnel Administration, Office of Physical Plant, Department of Purchases, Budget Operations, etc. Coordination of Physical Plant activities, including the waste water treatment plant and campus water system; operation of auxiliary enterprises; parking program and security. Bachelor's degree in an area such as business administration or related field organized study or training, plus over four years and up to and including six years of directly related experience in building construction and alteration, purchasing, personnel, etc., with a supervisory background.

PROGRAMMER, MANAGEMENT SERVICES — University Park

General application programming. Responsible for program design, coding, documenting, detailed flow-diagraming, selecting appropriate sub-routines, and preparing and modifying job control language for processing programs. Bachelor's degree or equivalent in computer science or related field, plus one to two years of directly related experience.

New Kensington Director

President Oswald will be appointing an Advisory Search Committee to assist him in identifying candidates for the position of Director of Penn State New Kensington Campus since Harry Russell, the present director, is retiring next July 1.

The Advisory Search Committee will identify those candidates who can provide the ablest possible academic leadership and competent administration of the New Kensington Campus. Candidates should possess a doctoral degree or equivalent and several years' experience in teaching at the university level. Experience in higher education administration is especially desirable.

Letters of nomination or letters of application should be directed to Dr. Robert Duinn, Room 111 Old Main, University Park, PA 16802, by Feb. 1.

Associate Directors

Dr. Robert G. Quinn, dean of Academic Instruction for Commonwealth Campuses, on behalf of the Directors of the McKeesport and Dgontz Campuses, announces the opening of the Associate Director for Academic Affairs position at each of these campuses.

The Associate Director for Academic Affairs will serve as the chief academic officer of the campus. This individual will, under the supervision of the campus director, be responsible for providing leadership and developing and maintaining academic programs in resident and continuing education. Other areas of responsibility include assessing local community academic needs; academic planning and development; recruitment, assignment, evaluation, and development of faculty; course scheduling and records; and participation in other campus end University activities.

Applicants for this position are expected to have a doctoral degree and a minimum of five years of experience in teaching and administration of higher education.

Letters of nomination or letters of application should be directed to Dr. Quinn

Adult/Cont. Ed. post

Dr. Carl A. Lindsay, chairman of the Search Committee for the Graduate Program in Adult/Continuing Education, announces that his committee is seeking nominations and applications for the position of Professor-in-Charge of Program in Adult/Continuing Education.

The person appointed to this position will have principal responsibility for developing a strong graduate program for preparing leaders in Adult/Continuing Education, in cooperation with other University departments, the Pennsylvania Department of Education and other agencies.

An earned doctorate in adult/continuing education or closely related field and eligibility for appointment to the graduate faculty are necessary. Significent field experience and demonstrated research capacity in adult/continuing education are essential.

Deadline for nominations and applications is Jan. 15. Direct letters of nomination or applications to: Dr. Carl A. Lindsay, Chairman, Search Committee, Room 210 Grange Bldg., University Park, PA 16802

Education will regain its former status, Dr. Larson believes

Higher education is in a "valley" now in terms of societal support, but Dr. Russell E. Larson is optimistic that it will once more regain a measure of the recognition and status it enjoyed during the late fifties and early sixties.

"These things are cyclical," Penn State's Provost noted in a recent interview, looking back on the 32 years he will have spent with this institution before he retires Jan. 1.

Dr. Larson came to Penn State as an assistent professor in 1944 after three years at the University of Rhode Island. He had earned his doctorate in plant breeding and genetics from the University of Minnesota in his native state.

From 1952 to 1962, he headed the Department of Horticulture, becoming dean of the College of Agriculture in 1963. He also served as director of the Agricultural Experiment Station and director of the Cooperative Extension Service. He assumed the role of provost in July 1972.

"I think if you asked me what accomplishment has given me the greatest personal satisfaction during my years at Penn State," Dr. Larson noted, "I would say it was the establishment of the Agricultural Research Center at Rock Springs.

(The 1,525-acre center is located nine miles west of



the University on Route 45.)

"I was dean at the time, and we were faced with a problem of how to guarantee some continuity to the plant science research efforts of the Agricultural Experiment Station, which was then located on east campus. A faculty member would be doing a nutritional study with plant species which needed, say, five years to complete, but, after the first year, the land upon which he was conducting research would be swallowed up by a new building or a parking lot. So with much cooperation from the President and the Board of Trustees we acquired the farms which make up the Center at Rock Springs, and I believe it will be of enduring value to our institution."

What does the Provost look for in the future at Penn State in terms of instruction?

"Obviously," he said, "there's going to be a decline in the number of college age students in the next six to eight years because of the demographic factors involved; but I think part-time students will increase — the senior citizen students, the students who are engaged in professions or industries which require constent upgrading and retraining. These part-time students will increase, although not necessarily at Penn State.

"Penn State has had a very successful program in continuing education," Dr. Larson explained, "but it now faces competition from other colleges and universities in the Commonwealth who are trying to combat declining resident enrollments through continuing education recruitment."

To draw students, Penn State will have to concentrate its efforts where it is uniquely different, Dr. Larson pointed out, in such fields as earth and mineral sciences, agriculture, certain areas of engineering, science, medicine

(Continued on page four)

PENN STATE
intercom

December 9, 1976 Volume 5, Number 60

An internal communications medium for the ecademic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

Board meets today to name Provost

A special meeting of the Board of Trustees is being held today (Thursday, Dec. 9) to take action on the appointment of a Provost to replace Dr. Russell E. Larson, who retires Jan. 1.

HUB Christmas Dinner

The HUB Terrace Room's annual Christmas Candlelight Dinner will be held this year from 4:45 to 7 p.m. on Friday and Saturday, Dec. 17-18. Featured on the menu will be prime ribs of beef, veal cordon bleu with cheese and wine sauce, roast pork and cider sauce, seafood newburgh on rice, and grilled chopped steak with pepper relish. There will be a hospitality table and live entertainment.

Phi Beta Kappa sherry party

A Phi Beta Kappe Sherry Party will be held from 3 to 5 p.m. on Sunday, Dec. 12, in the Fireside Room of the Nittany Lion Inn. All Phi Beta Kappa members and their spouses are invited to attend the occasion, a highlight of which will be the honoring of all past presidents.

Breast cancer screening program

Every female Penn State employee at the University Park campus will be given the opportunity to attend a free program on breast self-examination to be conducted by the Centre County Unit of the American Cancer Society during January, February and March. The breast cancer screening program is approved and supported by the University Health Services and the University administration.

Employees will be contacted by their personnel representatives, who will arrange for small groups to attend the noontime workshops in or near the employees' work areas. Dennis W. Kelser, coordinator of employee and management development, will be coordinating the workshop scheduling with personnel representatives.

The workshops will be handled professionally with a high degree of sensitivity

(Continued on page four)

Faculty Senate Reminder on Final Exam Policy

Last Week of Classes
Feb. 14 through 19

Final Exam Period
Feb. 21 through 24

Three new Evan Pughs named



Dr. Battisti



Dr. Benkovic



Dr. Leibowitz

Three members of the faculty at the University have been named Evan Pugh professors, effective Jan. 1, bringing to 12 the number of faculty holding the distinguished title.

They are Dr. Eugenio Battisti, Evan Pugh professor of art history; Dr. Stephen J. Benkovic, Evan Pugh professor of chemistry; and Dr. Herschel W. Leibowitz, Evan Pugh professor of psychology.

The appointments, announced at the Tuesday meeting of the Faculty Senate, were made by President Oswald, on the recommendation of a selection committee of eight faculty members, three of them Evan Pugh professors.

The Evan Pugh title is awarded only to faculty members whose "research publications or creative work or both have been of the highest quality over a period of time and further to candidates who show evidence of having contributed significantly to the education of students who later achieve recognition for excellence in the candidate's discipline or interdisciplinary area."

The three appointed Tuesday were chosen from among 21 candidates.

In addition to the new Evan Pugh professors, the title is held by Dr. John M. Anderson, philosophy; Dr. Vernon V. Aspaturian, political science; Dr. John L. Lumley, aerospace engineering; Dr. Howard E. Morgan, physiology (Hershey); Dr. Richard R. Nelson, plant pathology; Dr. Hans A. Panofsky, atmospheric sciences; Dr. Stuart Patton, agriculture; Dr. Phillip S. Skell, chemistry; and Dr. Phillip L. Walker, materials science. Dr. Erwin W. Mueller retired on July 1 as Evan Pugh professor of physics emeritus.

Dr. Battisti in 1966 was named professor of art history after serving for a year as a visiting professor. Born in Torino, Italy, he is a graduate of the University of Torino with the doctor of philosophy degree in aesthetics. He also holds a diploma in the history of medieval and modern art from the University of Rome.

He began his research and teaching career at the University of Rome in 1951 and from 1963 to 1965 was professor and acting head of the Department of Art History at the University of Genova. He has held visiting professorships at Naples, North Carolina State, Florence and Milan, as well as Penn State.

He is the founder and director of the Musei d'Arte Contemporanea of Genoa and with other young Italian intellectuals he founded the important literary-artistic magazine, "Marcatre."

Dr. Battisti has been an international leader in the field of art history and he is the author of more than 20 books and an unusuelly large number of articles in scholarly periodicals, ranging in subject matter from early medieval to modern times. The major focus of his work, however, has been on the Italian Renaissance, and his two-volume monograph on Piero della Francesca is the most comprehensive monograph to be written on the noted painter and mathematician. It is the result of more than ten years of intensive research carried out in Italy, France, England and this country. The series of monographs, "Corpus Palladianum," published by Penn State's Press, resulted from his initiative and his role as an adviser to the Press.

Dr. Benkovic, who came to Penn State in 1964 to join a small group of faculty members interested in bioorganic-chemistry, has won wide recognition for his re-

search. He was an Alfred P. Sloan Fellow in 1967-70, held a National Institutes of Health Career Development Award in 1969-74, and was an FMC Distinguished Visiting Professor at Princeton University.

Reflecting achievements in his field, he has been co-chairman of several conferences, including the 3d Biannual Conference on Biochemicel Mechanisms, 1972;

(Continued on page four)

Dr. Stephen J. Benkovic has been nemed winner of the 1977 Pfizer Award in Enzyme Chemistry of the Division of Biological Chemistry of the American Chemical Society.

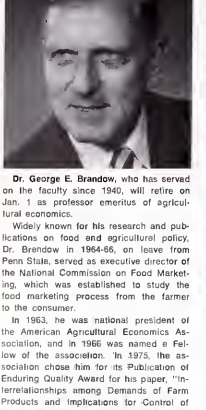
He will receive the award next year at the society's annual meating.

Dr. Benkovic's research effort locuses on the mechanisms of enzyme action in gluconeogenesis or the production of the sugar, glucose; glycolysis, the breakdown of sugars; and the role and function of the vitemin, folic acid.

His colleagues credit him with playing a pivotal role in bringing modern physical organic chemistry techniques to beer on these intricate and complex enzymic reactions and with producing basic insights into these very important processes.

Dr. Benkovic says that his wife, Patricia, has been "very instrumental in executing many of the key experiments." Mrs. Benkovic appears es a co-author of nearly a third of his research publications. She is a graduate of Chestnut Hill College in Philadelphia, with a B.S. in chemistry.

Faculty notes



Dr. George E. Brandow, who has served on the faculty since 1940, will retire on Jan. 1 as professor emeritus of agricultural economics.

Widely known for his research and publications on food and agricultural policy, Dr. Brendow in 1964-66, on leave from Penn State, served as executive director of the National Commission on Food Marketing, which was established to study the food marketing process from the farmer to the consumer.

In 1963, he was national president of the American Agricultural Economics Association, and in 1966 was named a Fellow of the association. In 1975, the association chose him for its Publication of Enduring Quality Award for his paper, "Interrelationships among Demands of Farm Products and Implications for Control of Market Supplies," published as Bulletin No. 680 of the Agricultural Experiment Station at Penn State. It was considered the best research publication in the field of agricultural economics from 1950 to 1964.

Since coming to Penn State, Dr. Brandow, on leave from his teaching and research duties, also served in 1942-43 as an economist with the Food Price Division, Office of Price Administration; with the U.S. Navy in 1943-46; as a technical adviser to the Turkish Ministry of Agriculture, Ankara, Turkey, in 1953; and as economist on the staff of the Joint Economic Committee of Congress to conduct a study of farm policy in 1957.

Born on a farm near Roxbury, N.Y., Dr. Brandow is a graduate of Cornell University where he received his B.S. and Ph.D. He and his wife, Adelaide, plan to maintain their residence in State College.

George W. Franz, assistant professor of history at Delaware County, presented a talk on Colonial Pennsylvania and the Coming of the American Revolution to the Colonial History Seminar at Connecticut College last month.

Dr. Peter C. Jurs, associate professor of chemistry, participated in the Federation of Analytical Chemistry and Spectroscopy Societies meeting in Philadelphia last month. He presided at a session on Computers in Analytical Chemistry and also presented a paper, "Computer Assisted Analytical Data Analysis."

Robert H. McCormick, professor of chemical engineering and technical specialist for PENNTAP, received the Sword of Hope Award from the Pennsylvania Division of the American Cancer Society at the 1976 Annual Dinner Oct. 20 in Carlisle. It is the highest personal award of the Pennsylvania Division for meritorious service in the cancer control program. As recipient of this award, Mr. McCormick becomes the first Pennsylvanian to have received three major honors of ACS, having been named Volunteer of the Year in 1970 and awarded the National Bronze Medal, the highest national ACS award for division service, in 1971.

Dr. Thomas M. Seebohm, professor of philosophy, is the author of "The Grammar of Hegel's Dialectic," which appears in the yearbook "Hegel-Studien."

An article by **Dr. Helen A. Guthrie,** professor of nutrition, appears in the September issue of Nutrition Reports International. It is entitled, "Nutritional Status Measures as Predictors of Nutritional Risk in the Ten-State Nutrition Survey."



Seated, left to right: Mr. Dieffenbach, Ms. Haskell, Dr. King, Mr. Way. Standing: Mr. Stover, Mr. Bochy, Mr. Terndrup, Mr. Fisk, Mr. Maxwell, and Dr. Brown.

Nine members of the Cooperative Extension Service are marking their 25th year at Penn State. They are:

Dr. Thomas B. King, associate deen end associate director for Extension; **Dr. Emory J. Brown,** assistant dean and assistant director for Extension; and

Edward J. Dieffenbach, assistent director of the Northern tier region; county agents **James A. Bochy,** Somersat; **Murray W. Fisk,** Wyoming; **Kenneth R. Maxwell,** Mercer; **Ward M. Stover,** Indiana; **Herbert C. Terndrup,** Cambria; **William E. Urash,** Erie; and **Joseph H. Way,** Montgomery; and **Joanne W. Haskell,** Clarion home economist.

Dr. King, who came to Penn State as a livestock Extension specialist, served as professor and head of the department of animal industry from 1965 to 1970 before assuming his present post. He holds B.S. and M.S. degrees in animal husbandry from Penn State and a Ph.D. in animal science from the University of Illinois. A past-president of the Extension Professors Association, Dr. King was instrumental in developing area livestock clinics for the State's livestock producers, spearheaded performance evaluation as a selection tool for livestock breeders and worked with the State Department of Agriculture to establish Penn State's Meat Animal Evaluation Center.

Dr. Brown was named to his present position in 1969. He began his career at Penn State as an assistent professor of rural sociology and in 1960 was named professor of rural sociology and Extension. His B.S. in agricultural economics was granted here and his Ph.D. in sociology at Michigan State. Dr. Brown is chairman of the IECOP Committee on Health Education, a member of the Advisory Council on rural health of the American Medican Association and is a past member of the National Council of the Rural Sociological Society. He coordinated the development of a graduate program in Extension education in Argentina and has served as a visiting professor at universities both in this country and in Puerto Rico.

Mr. Dieffenbach has a B.S. in dairy husbandry from Iowa State and his M.Ed. from Colorado State. He supervises programs in Bradford, Sullivan, Susquahanna, Tioga and Wyoming counties and has served as president of the Pennsylvania Association of County Agricultural Agents.

A Penn State alumnus in agricultural education, Mr. Bochy has his M.Agr. from West Virginia University. He organized the first Maple Producers' Association in the Commonwealth. Mr. Fisk holds two degrees from Penn State, a B.S. in ag economics and M.S. in farm management. He helped start Pennsylvania's first unif demonstration farm program and first forage analysis work end was among the first county egents trained to do tiller programming on farms.

Other Penn State alumni include Mr. Maxwell, with a B.S. in agronomy and M.Agr. in ag economics; and Mr. Stover, who holds a B.S. in ag education and M.S. in Extension education. Mr. Stover has been recognized for his work in the areas of farm menagament, agronomy and community development. Mr. Terndrup began in the University's associate degree program, then transferred to animal husbandry to earn his B.S. and M.S. degrees. He has initiated leadership training programs for youth, started a regional Potato Industries Winter Fair and helped establish Johnstown's Farmers Market.

Mr. Wrash has set up programs in community planning and horticulture in Erie County. He has a B.S. in dairy science from Penn State. Mr. Way has his PSU degree in agronomy and is currently doing graduate work on sabbetical. Carrying out a diversified agricultural program in an urban county, he helped initiate farm accounting systems there.

The recipient of a Distinguished Service Award from the National Association of Extension Home Economists, Joanne Haskell has a B.S. in child development and family living and has done graduate work at Penn State and Clarion State College.



Prof. Anderson



Prof. Frey



Prof. Rutschky

Three faculty members in the College of Agriculture are marking their 25th year at the University. They are: **Paul M. Anderson,** associate professor of agricultural engineering; **John C. Frey,** professor of land economics and director of the Institute for Research on Land and Water Resources; and **Charles W. Rutschky III,** professor of entomology.

Prof. Anderson was recently granted a patent as co-inventor for a "Method and Apparatus for the Adiabatic Expansion of Liquid Anhydrous Ammonia." He is a Penn State alumnus, having obtained his B.S. in 1950 and his M.S. in 1957, both in agricultural engineering. Following graduation, he was assistant farm manager of the Woodville State Hospital Farm. His teaching and research have centered around the areas of electric power and processing, agricultural mechanics and farm machinery.

Dr. Frey has been director of the Institute since it was established in 1963. He holds a B.S. in agricultural education from Iowa State College and a master's degree in agricultural economics from the University of Georgia. His doctorate, also in agricultural economics, was conferred by Iowa State. Dr. Frey has taught elementary and advanced courses in land economics and conducted research in this area. In 1970 he received a commendation from the President of the United States in recognition of the Institute's "dedication to environmental excellence."

Dr. Rutschky came to Penn State in 1949 but spent two years on leave from 1962 to 1964 as professor of entomology at the University of Hawaii. He received his B.S. from Penn State in zoology and entomology and his Ph.D. at Cornell University in entomology. In 1967 he took part in a National Science Foundation Summer Institute at Ohio State and spent six weeks at an NSF Desert Biology Summer Institute at Arizona State. He was part of an Air Force Solar Eclipse Expedition team in Burma in 1955. Dr. Rutschky is a past president of both the Entomological Society of America and the Pennsylvania Academy of Science.

Obituary

Ralph H. Wherry, who retired in 1970 as William Elliot Professor of Life Insurance after 23 years on the faculty, died Dec. 5 in Bradenton, Fla. He was 71.

Mr. Wherry earned both his bachelor's and master's degrees at Penn State and in 1945 was awarded the C.L.U. of America by the College of Life Underwriters. He was an ardent Penn State sports fan and served as faculty representative to the NCAA and as chairman of the University Senate's Committee on Athletics. An advisor to numerous student organizations, he was honored by the dedication of the 1961 "La Vie" to him.

Mr. Wherry was the co-author of three textbooks and served on several state and national commissions.

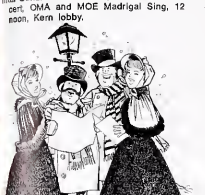
University Park Calendar

December 9–19

Items to be included in this calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special events

Thursday, Dec. 9
Intramural Sports: Raquetball tournament for faculty-staff, undergraduate division, entry close; coed volleyball, entry close, Intramural Bldg.
Waskewich Gallery Print Sale, 9 e.m.-5 p.m. HUB Art Gallery.
Arts and Crafts Exhibition and Sale, 10 a.m.-6 p.m., Robeson Cultural Center.
Inter-Cultural Celebration, Noontime Concert, OMA and MOE Madrigal Sing, 12 noon, Kern lobby.



Mennonite Farm Family Orientation, 7:30 p.m., Room 111 Kern. Celebration of Oneness, 8:30 p.m., Room 111 Kern.
GSA Commonspace Coffeehouse, 8 p.m., Room 102 Kern.
Kern Keating, piano, 8:30 p.m., Music Bldg. recital hall.
HUB/WEHR Spotlight Disco, 9 p.m., HUB ballroom.

Saturday, Dec. 11
Sports: Women's swimming and diving, vs. Lehigh, 11 a.m.; men's and women's bowling, vs. Edinboro, 1 p.m.; men's swimming and diving, vs. Lehigh, 2 p.m.; men's and women's gymnastics, vs. Massachusetts, 7:30 p.m.
Inter-Cultural Celebration, children's party with children's theatre, 12:30 p.m., Robeson Cultural Center. Madrigal Dinner, 6:30 p.m., Room 102 Kern.
Opera, "Down in the Valley," 8 p.m., Playhouse Theatre.
Inter-Varsity Fellowship Coffeehouse, 8 p.m., Room 301 HUB
Second Annual "Messiah" Sing-in, 8:30 p.m., University Auditorium.

Sunday, Dec. 12
Chapel Service, 11 a.m., Eisenhower Chapel. Reverend Charles L. Coleman.
Black Christian Fellowship worship service, 11:15 a.m., Multi-Purpose Room, Eisenhower Chapel. Melvin Jenkins.
PSOC Hiking Division, circuit hike from 7 Mountains Roadside Rest, 9 e.m., HUB parking lot.
Opera, "Down in the Valley," 3 p.m., Playhouse Theatre.
Pat Beta Kappa sherry party, 3-5 p.m., Fireside Room, Nittany Lion Inn.
Mu Phi Epsilon, 3:30 p.m., Music Bldg. recital hall. Benefit recital for Mary Jedele Competition.
Inter-Cultural Celebration, Madrigal Dinner, 6:30 p.m., Room 102 Kern. Pa. Ethnic Fair, 7 p.m., Warnock Union Bldg., North Halls.

Monday, Dec. 13
Intramural Sports: Swimming tournament, undergraduate division, sing. elim. entry open.
Inter-Cultural Celebration, Trim the Tree Workshop, HUB north lounge. ReCreation Concert, 12:15 p.m., Kern lobby. International films, 1 p.m., Kern lobby. Black Christian Fellowship Mass Choir, 7 p.m., Robeson Cultural Center.
Monte Bedford, oboe, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Dec. 14
Inter-Cultural Celebration, International films, 12 noon, Kern lobby and HUB lounge. Hospitality Council Tea, 2 p.m., Room 112 Kern. Fireside Chat-Christmas Readings, University Readers, 7:30 p.m., HUB reading room, refreshments. Festival of Lights, Eisenhower Chapel Multi-Purpose Room.
Comp Lit Luncheon, 12:15 p.m., Faculty Club. Henry Johnstone, philosophy, on "The Categories of Travel."
Coaly Speaking Contest, 7 p.m., HUB assembly room.
Intramural Sports: Play begins for raquetball tournaments and volleyball.

Wednesday, Dec. 15
Inter-cultural Celebration, Winter Arts Festival, Findley Union Bldg. International films, 12 noon, Kern lobby; 1 p.m., HUB lounge. Christmas Crafts Demonstration, 12 noon, HUB main lounge. HUB Free-U Coffeehouse, 8:30 p.m., Room 301 HUB.
Five O'Clock Theatre, "Gone by Morning," 6 p.m., Pavilion Theatre.
Coaly Society Speaking Contest, 7 p.m., HUB assembly room.
Penn State Invitational Film Festival, 8 p.m., University Auditorium.
Composer's Concert, 8:30 p.m., Music Bldg. recital hall.

Thursday, Dec. 16
Inter-Cultural Celebration, Winter Arts Festival, Findley Union Bldg. Concert by Jerry Loyd Ensemble, 12 noon, Kern lobby. International films, 1 p.m., Kern lobby and HUB lounge. Bloomsburg Baroque Ensemble, 8 p.m., Room 101 Kern.
Five O'Clock Theatre, "Gone by Morning," 5 p.m., Pavilion Theatre.
Coaly Society Speaking Contest, 7 p.m., HUB assembly room.
Penn State Invitational Film Festival, 8 p.m., University Auditorium.
University Readers and Women in Communications, "Miscellania Christmas," 8 p.m., Room 112 Kern.
Intramural Sports: Swimming tournament, undergraduate division, entry close.

Friday, Dec. 17
Inter-Cultural Celebration, International films, 12 noon, HUB lounge; 1 p.m., Kern lobby. Concert, Phi Mu Alpha and Mu Phi Epsilon, traditional Christmas carols, 12:15 p.m., Kern lobby. International Coffeehouse, 8 p.m., Room 102 Kern.
Holiday Candlelight Dinner, 4.45 p.m., HUB Terrace Room.
Five O'Clock Theatre, "Gone by Morning," 5 p.m., Pavilion Theatre.
Folk, Square and Ballroom Dance Roundup, 7:30 p.m., Room 133 White.
University Readers and Women in Communications, "Miscellania Christmas," 8 p.m., Room 112 Kern.
Penn State Invitational Film Festival, 8 p.m., University Auditorium.
Penn State Symphonic Wind Ensemble, 8.30 p.m. Music Bldg. recital hall.
HUB/WEHR Spotlight Disco, 9 p.m., HUB ballroom.
Intramural Sports: Wrestling tournament, undergraduate division, sing. elim. entry open.

Saturday, Dec. 18
PSOC Hiking Division, crazy cold winter solstice backpack, 9 a.m., HUB parking lot.
Sports: Men's fencing, vs. New York University, 2 p.m.; wrestling, vs. Lock Haven, 2 p.m.
Holiday Candlelight Dinner, 4:45 p.m., HUB Terrace Room.
International Council social, 8:30 p.m., Rooms 320, 321, 322 HUB.

Sunday, Dec. 19
Chapel Service, 11 a.m., Music Bldg, recital hall. The Alt-Faith Choir, "Navidad Nuestra."
Black Christian Fellowship worship service, 11.15 a.m., Multi-Purpose Room, Eisenhower Chapel. Pastor Gerald G. Loyd.
PSOC Hiking Division, crazy cold solstice backpack, 9 a.m., HUB parking lot
Penn State Brass Chorale and Penn State Glee Club, Christmas Concert, 2:30 p.m., Schwab.
Sports: Hockey vs. Rutgers, 7.30 p.m., Mid-Atlantic Collegiate Hockey Conference game.

Seminars

Thursday, Dec. 9
Chemistry, 12:45 p.m., Room 333 Whitmore. Peter M. Hierl, University of Kansas, on "Chemical Accelerator Studies of Reaction Dynamics."
Material Sciences, 2 p.m., Room 301 MI. J. L. Koenig, Case Western Reserve, on "Application of Fourier Transform Infrared Spectroscopy to Polymeric Systems."
Anthropology, 3:30 p.m., Room 107 Carpenter. Alan Swedlund, University of Massachusetts, Amherst, on "Historical Demographic Perspectives on the Connecticut Valley."
Physics and Microbiology, 3:50 p.m., Room 117 Osmond. L. E. Casida, microbiology, on "The Microscope and Microorganisms: van Leeuwenhoek and the 300 Years Since."

Friday, Dec. 10
Last date for grad. students to register with For. Lang. Dept. (other than French and Spanish) for written language exam.

Monday, Dec. 13
Add deadline.

Films

Thursday, Dec. 9
International film, Bergman, "The Seventh Seal," 7 p.m., HUB assembly room.

Tuesday, Dec. 13
France Cinema, "Playtime," 7 and 9 p.m., Room 112 Kern.

Tuesday, Dec. 14
Artists Series Film Festival, Hitchcock, "Murder," 8 p.m., University Auditorium.

Wednesday, Dec. 15
GSA Commonsplace Theatre, "A Christmas Carol," 7:30 and 9:30 p.m., Room 112 Kern.

Lectures

Thursday, Dec. 9
Dr. Paul Schach, professor of Germanic languages, U. of Nebraska, on "Added Dimensions in Modern Icelandic Literature," 7:30 p.m., Room 124 Sparks.

Friday, Dec. 10
Genetics Fall Symposium, "Molecular Genetics and the Second Green Revolution," starts 10:30 a.m., Room 112 Kern.

Thursday, Dec. 16
Dr. Forman A. Williams, UC-San Olego, on "Theory of Turbulent Combustion," 4 p.m., Room 103 Mech. Eng.

University schedule

Friday, Dec. 10
Last date for grad. students to register with For. Lang. Dept. (other than French and Spanish) for written language exam.

Monday, Dec. 13
Add deadline.

Films

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GSA Commonsplace Theatre, "A Christmas Carol," 7:30 and 9:30 p.m., Room 112 Kern.

Exhibits

Museum of Art: Contemporary British Potters and Recent Accessions, Gallery B. From Gothic to Baroque, Gallery C. Contemporary Figurative Paintings from the Permanent Collection, Gallery A.
Zoller Gallery: Faculty Christmas Exhibition, through Dec. 14. Student Christmas Sale, opening Dec. 17.
Chambers Gallery: "Teachers, Children and Art Education" — photographs; Antique Tools.
212A Arts Bldg: Photographs by Richard Stoner, Mark Forker, and Barbara Brubaker.
Kern Bldg. Gallery: Inter-Cultural Celebration — Canadian Art Exhibit, Ukrainian Student Club Exhibit, Latin American Wall Hangings, Christmas Ornaments, Nativity Scenes, Creches, Wooden Sculpture, and Jewelry from around the World.
International Center (111 Kern): Inter-Cultural Celebration — Latin American Environment and International Bazaar.
HUB Gallery: Inter-Cultural Celebration — Ukranian Student Club Exhibition; Display of Handmede Wooden Toys by H. Leroy Merlow; Model Railroad Club Display and Demonstration.
Paul F. Robeson Cultural Center: Inter-Cultural Celebration — International Artifacts Exhibit.

Meeting

Saturday, Dec. 11
Council of Branch Campuses, 10 a.m.-5 p.m., Room 301 HUB.

Philosophy, 4 p.m., Room 251 Willard. Prof. E. W. Orth, U. of Trier, on "Scientism vs. Humanism: A Real Alternative?"
Computer Science, 4 p.m., Room 108 Forum. Allen J. Rose, Scientific Time Sharing Corp., on "Large Database Applications in APL." At 8 p.m., on "I Don't Like All Those Funny Looking Symbols."
Ecology, 4 p.m., HUB assembly room. Henry S. Horn, Princeton University, on "Social Systems and Sexual Chauvinism in Butterflies."
Monday, Dec. 13
Genetics, 3:55 p.m., Room 108 Tyson. Prof. Paul Green on "Cytoplasmic Genetics and Evolution: An Introduction."
Computation Center, 4 p.m., Room 110 Comp. Bldg., "Introduction to Comp. Center (1)."
Tuesday, Dec. 14
Environmental Design and Planning, 9:35 a.m., Room 318 Sackett. David Young, landscape architecture, on "Landscape Architecture: An Overview."
Plant Pathology, 9:45 a.m., Room 213 Buckhout. Dr. H. E. Kaufman, International Rice Research Institute, on "Rice, Science and Man."
ARL, 10:45 a.m., Eric A. Walker Conference Room, Applied Science. Joseph J. Kockelmans, Director, Interdisciplinary Programs, on "A Graduate and Post Doctorate Interdisciptinary Internship."
Organic Chemistry, 12:45 p.m., Room 167 Willard. Michael Meyer, graduate student, on "Partial Synthesis of Steroid Drugs."
Analytic Chemistry, 1 p.m., Room 333 Whitmore. John V. Oevery on "Enzymes in Analytical Chemistry."
Meteorology, 4 p.m., Room 26, Mineral Sciences. Alan Murphy, National Center for Atmospheric Research, on "On the Reliability, Accuracy, Skill, and Value of Subjective, Probability Forecasts."

Wednesday, Dec. 15
Fuel Science, 4 p.m., Room 301 Min. Ind. Dr. Kurt Wray on "Coal Gasification for Use in CO-H_2 Fuel Cells."

Thursday, Dec. 16
Chemistry, 12:45 p.m., Room 333 Whitmore. Benjamin M. Gimarc, U. of South Carolina, on "Applications of Qualitative Molecular Orbital Theory."
Anthropology, 3:30 p.m., Room 101 Carpenter. Paul W. Sciulli, U. of Texas, on "Celibacy, Emigration and Human Genetics."
Plant Pathology, 8 p.m., Room 101 Althouse. Ann F. Rhodes, Morris Arboretum, on "The Nature of Ozone Resistance in Bell-B Tobacco."

Friday, Dec. 17
Computation Center, 4 p.m., Room 110 Comp Bldg., "Introduction to Comp. Center (2)."

Arts roundup

Composer's Concert

The first of three Composer's Concerts will be performed at 8:30 p.m. on Wednesday, Dec. 15, in the Music Bldg. recital hall. The concert will introduce recent works by both graduate and undergraduate student composers and will feature various ensembles of both faculty and student performers.

Film Festival

Penn State is hosting the third annual Penn State Invitational Film Festival Dec. 15-17. The festival will bring together a section of the finest in student-made films from colleges and universities throughout Pennsylvania, Maryland, the District of Columbia, West Virginia, New Jersey, New York, and Ohio

The categories in which the filmmakers will be competing are the documentary, the dramatic, and the experimental film. Judges for this year's festival will be: Jack Clayton, director of "Room at the Top," "The Pumpkin Eater," and "The Great Gatsby"; Alexander Mackendrick, director of "The Man in the White Suit," "Don't Make Waves," and "The Lady Killers"; and Will Hindle, an award-winning experimental filmmaker whose works include "Walersmith" and "Chinese Firedrill." For further information, contact the Penn State Invitational Film Festival, 103 Arts Bldg. University Park, Pa 16802, (814) 865-7586.

Tickets for gifts

Dec. 14 and 15 are the dates set aside for the second annual Holiday Sale sponsored by the Artists Series to give patrons an opportunity to purchase tickets as holiday gifts. Tickets to "Shenandoah" and the Pittsburgh Symphony Orchestra will be available at the Artists Series HUB Booth from 9 a.m. to 4 p.m. at this time. Out-of-town patrons — those living outside a 30-mile radius — will be able to order tickets by phone with Master Charge and Bank-Americard. These orders should be placed at (814) 865-1871. Local phone orders will **not** be accepted.

"Shenandoah," a new musical, will be performed at University Auditorium at 8:30 p.m. on Thursday, March 17. The Pittsburgh Symphony Orchestra will perform at 8:30 p.m. on Saturday, April 16, in University Auditorium and will feature Barry Tuckwell, French horn.

News briefs

(Continued from page one)

by trained female representatives of the American Cancer Society, University officials stressed. They urged all female employees to take advantage of the opportunity to participate in the voluntary program when contacted by their personnel representatives.

The workshops will include e short film explaining the program, a demonstration of the examination technique using a mechanical teaching model, and distribution and discussion of relevent literature.

Affirmative Action cards ready

New Affirmative Action Da-a Cards are now available from the office of Systems and Procedures in Room 225 Shields Bldg. Old cards should no longer be used by administrative units and will not be processed by the Affirmative Action Office. Completion of this form is requested of all new appointments designated "Standing," "Fixed Term I," and "Fixed Term II." The University is required to report this data for all job groups to the Equal Employment Opportunity Commission, Dept. of Health, Education and Welfare and other Federal and State agencies in support of the 1964 Civil Rights Act, as amended.

Factsheet correction

In the Nov. 18 edition of this p.blication, e factsheet prepared by the University compared basic provisions of the three companies participating in the University's tax-deferred annuity program. An arithmetical error has been found in the item entitled "Average gain or loss for past 5 years" in the variabla annuity section reported for VALIC. The average gain for VALIC during this period is .64 percent and not 3.21 percent as previously reported.

Messiah sing-in

The second annual Sing-In of Handel's Messiah is scheduled for 7:30 p.m. on Seturday, Dec. 11, in University Auditorium. Last year's event attracted some 1,500 enthusiestic participants, and this year the sponsors hope to fill the hall. Sponsors include the University Chorus, the Lutheran Student Parish, and the State College Symphony Orchestra. The latter group will provide the accompaniment. The Christmas section and the Hallelujah Chorus will be performed. Bring your own score if you have one or purchase e copy at the door et cost.

Frizzell memorial service

A memorial service for John Henry Frizzell, professor emeritus of public speaking and chaplain emeritus of the University, will be held Sunday, Dec. 12, at 11 a.m. in the Helen Eakin Eisenhower Chapel.

Dr. Frizzell, who died Oct. 30 at the age of 95, had retired in 1948. He was the first head of the Department of Speech and established this first speech clinic at the University.

Dr. Luther Harshbarger, professor of humanities and religious studies and former chaplain and coordinator of religious affairs, will present a memorial tribute at the service. Jo Hayes, mayor of Stata College and a longtime friend and associate of Dr. Frizzell's, will also speak.

The Rev Charles L. Coleman, program director of religious affairs, wil officiate at the service, and music will be provided by the University Chapel Choir under the direction of Raymond Brown, professor of music.

A committee is being formed to help provide funds for a memorial to Dr. Frizzell. Present plans are for the establishment of a John Henry Frizzell Lecture Series.

Holiday Festival III begins Dec. 10

Holiday Festival III, the third annual international and inter-cultural holiday celebration, will be held at the University from Friday, Dec. 10, to Friday, Dec. 17.

The week-long celebration includes concerts, films, exhibits and other festivities scheduled for various areas et the University Park campus. The festival is intended to show the University community some of the different ways important cultural holidays are celebrated around the world.

(A complete listing of all the events of the festival is included in this week's University Park Calendar.)

Highlighting the opening day of the festival will be a "Celebration of Oneness," a candlelight ceremony demonstrating international brotherhood. All members of the University community are invited to participate in the ceremony which begins at 6:30 p.m. on Dec. 10 in Room 111 Kern Graduate Bldg.

The following evening, a madrigal dinner-concert will be held in Room 102 Kern. it features a traditional 16th Century Yuletida dinner and madrigal singers provided by the University's music fraternities, Phi Mu Alpha and Mu Phi Epsilon.

Wednesday evening, the GSA Commonsplace Theatre will present "A Christmas Carol" in Room 112 Kern. Tickets for the play and for the Madrigal Dinner are available at the Kern Information Desk.

Throughout the week, a display of Christmas ornaments and religious artifacts from around the world will be on exhibit in the Graduate Commons Gallery. There will also be exhibits in the HUB Gallery, the International Center in Kern, and the Paul Robeson Cultural Center.

Education

(Continued from page one)

and other curricula. He also noted that Penn State can and should expand its capability 'o provide technical certification to the growing number of persons in our society who are needed to monitor activities such as the use of chemicals, drugs, machinery and the like.

One area of higher education in which the Provost would like to see more active recruitment is graduate study for minority students.

"The University is really trying very hard to fulfill the intent of the affirmative action legislation," the Provost sa.d, "not only from a legislative standpoint but also as a principle in itself, as a moral obligation. There is a concerted effort being made by most administrators to find qualified minority personnel and women for positions within the institution,

"I believe reasonable progress has been made, particularly in the employment of women. At the moment, they are at the lower academic ranks because that is where we normally have the greatest opportunity for replacements, but eventually improvement will show up in the higher academic ranks as well.

"In the case of certain minority groups, however, we have e problem obtaining qualified personnel. One of the things that we should continue to do is to encourage a great deal more graduate activity on the part of minorities, particularly in the physical and biological sciences, so that in a few years a larger pool of qualified persons will be available."

Is the mission of the University to produce new knowledge through basic research endangered by the increasing demands of society for problem-oriented, applied research?

Dr. Larson doesn't think so, but he believes professors have to learn to speak a language that others who are not a part of an institution of higher education can understand.

"If scientists ignore the fact that the public believes that something ought to come from basic research which society can use, they are making a mistake," Dr. Larson commented, drawing on his own experience as a researcher in the fields of plant breeding, genetics, culture and physiology of plant species. (Dr. Larson is the author of more than 50 technical papers and of a textbook, served as president of the American Society for Horticultural Science, and is a fellow of the society and of the American Association for the Advancement of Science.)

"We ask support from a public which does not have the same kind of background as we have," Dr. Larson pointed out, "and then do not spend sufficient time trying to explain why basic research is conducted. To my way of thinking, if our scientists and researchers are competent in the research they are doing, the ideas they are pursuing, they are also competent enough to explain to the public some of the practical considerations that might come out of their work."

In recollecting his career, which has been entwined with the fortunes of three land-grant universities, Dr. Larson noted the changes in mission such institutions have faced. Founded to educate large numbers of young people who otherwise would not have had a chance at higher education, these schools sent their graduates out to help spark improvements in society as a whole.

"The original emphasis wes on technological development in industry and agriculture," Dr. Larson said, "and eventually our country reached a period of saturetion es far as technology and production were concerned. At this point, the institutions and society became more conscious of the qualitative aspects of living.

"We've had quantity as a society; maybe it wasn't properly distributed all the time, but we've had it. Now we've got to protect and improve the quality of life, and the land-grant institutions are assuming responsibilities along these lines. At the same time, society is once again calling on them for new technology — in terms of developing new sources of energy, for example.

"The importence of higher education and of research to e society varies according to the crises facing the Nation or the State at a given period of time. We are in a valley right now in terms of some of the support and consideration necessary to foster the technological developments that our country continues to need. We're in a valley in terms of support for instructional activities because of a setback in the economy and the higher priorities being given to other issues. But I believe that are temporary situations and that higher education will again reach its former level of recognition and status within the nation es a whole."

Although he is retiring from Penn State, Dr. Larson intends to sort out some consulting offers he has had and to retein an interest in agricultural and institutional development — although not until after July 1! He and his wife, Margeret, intend to keep their home in State College.

Does he have any edvice for a successor?

"Eat a hearty breakfast," he said with a smile. "It will be a long day. Don't try to build e problem into a crisis — they'll occur naturelly.

"And finally, take advantage of the very fine and highly qualified people that surround your office. We've got e very knowledgeable staff, and they're anxious to help in any way they can."

Evan Pughs

(Continued from page one)

NATO Conference on Catalysis, also 1972; Gordon Research Conference on Enzymes, Coenzymes and Metabolic Pathways, 1973; and Gordon Research Conference on Proteins, 1976.

Dr. Benkovic, who is considered an excellent teacher as well as research scientist, has co-authorad or authored more than 60 scientific publications, including a classic two-volume reference work, "Bioorganic Mechanisms."

A magna cum lauda graduate of Lehigh University where he received his bachelor of arts degree in English literature and his bachelor of science degree in chamistry, Dr. Benkovic received his doctor of philosophy degree at Cornell University. He was a Teeple Fellow and an NIH Predoctoral Fellow at Cornell and also won the Eastman Kodak Scientific Award there. Prior to his Penn State appointment, he completed a year of postdoctoral study at the University of California at Santa Barbara. He is a native of Orange, N.J.

Dr. Leibowitz, a member of the Penn State faculty since 1962, is internationally known for his research in experimental and applied psychology, most recently in the area of visual physiology and perception. He is the author of more than 100 articles reporting on his research, and he holds editorial positions on several leading research journals, including Science, Journal of Experimantal Psychology, Contemporary Psychology, Psychological Bulletin, Journal of Vision Research, and Behavioral Research Methods and Instrumentation. He is co-editor of "Volume of Perception" and "Handbook of Sensory Physiology."

He has served as an adviser on five national research councils and institutes and been a consultant for five agencies of the Federal government.

Dr. Leibowitz has been appointed to visiting professorships and as a researcher at the University of Munich; Wisconsin School of Medicine; Michigan; Massachusetts Institute of Technology; Florida State University; and University of Freiburg. He was organizer of a Symposium on Image Evaluation for the North Atlantic Treaty Organization countries in Munich and co-organizer of a Conference on Space and Motion in Honolulu for United States and Japanese scientists.

A dedicated teacher as well as research scientist, he teaches introductory psychology courses in addition to graduate courses.

Earlier this year, Dr. Leibowitz was selected to receive the Senior U.S. Scientist Award from the Federal Republic of Germany given through the Alexander von Humboldt Foundation to "outstanding U.S. scientists in recognition of past accomplishments in research and teaching." In 1957 he was a John Simon Guggenheim Fellow at the University of Munich and Max Planck Institute.

A native of York, Dr. Leibowitz is a graduate of the University of Pennsylvania and his graduate work, leading to the master of arts and doctor of philosophy degrees in experimental psychology, was completed at Columbia University.

An ardent runner, Dr. Leibowitz last year completed the entire course of the Boston Marathon.

Williams to speak

Dr. Forman A. Williams, professor in the Department of Applied Mechanics and Engineering Sciences at the University of California, San Diego, will present a seminar in the Distinguished Lecture Series in the Department of Mechanical Engineering.

He will speak on "Theory of Turbulent Combustion" at 4 p.m. on Thursday, Dec. 16, in Room 103 Mechanical Engineering Bldg.

The author of "Combustion Theory" and "Fundamental Aspects of Solid Propellant Rockets," Dr. Williams has also written more than 90 articles on various facets of combustion and fluid dynamics.

Staff vacancies

University employees who are interested in promotion may apply by calling the Employment Office, 865-1387 (Network Line 475-1387). Applications for these staff vacancies will be received until 5 p.m. **Dec. 16, 1976. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

ADMINISTRATIVE AIDE, NUMAN OEVELOPMENT — University Park

Assist the Director of the Division of Biological Health with the student record system, personnel system, and planning and maintaining the budget administer academic support functions such as class scheduling; registration; seminars and meetings; maintain liaison with Office of Administrative Services and Associate Oean's Office for Undergraduate Education; supervise and train clerical staff, and to be knowledgeable of University and College policies. Bachelor's degree in Business Administration or equivalent. Over one year of directly related administrative supervisory experience.

COUNSELOR (CAREER DEVELOPMENT & PLACEMENT) — New Kensington

Responsible to the Dean of Student Affairs for individual and group counseling focusing primarily on educational/vocational concerns. Responsible for preregistration testing, assisting with summer counseling and orientation. Provides consultation to other members of the student affairs staff and campus community. Master's degree in counselor education or related area or equivalent, plus a minimum of three years' applicable experience.

APPLICATIONS PROGRAMMER/ANALYST — Capitol Campus

Consult with academic users concerning programming problems. Conduct analyses of data processing and customer problems, determining detailed requirements to solve problems, formulate logical statements of system problems, and preparing computer programs to satisfy end results. Bachelor's degree or equivalent in basic computer systems or related field and one to two years of experience in computer programming and analysis required.

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PENN STATE
intercom
A Special Issue
December 9, 1976

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Pacemaker production about to start

An important advance in heart therapy — a long life rechargeable pacemaker invented by a team of Penn State researchers — will be produced by a Texas firm, it was announced Thursday at a press conference at the Milton S. Hershey Medical Center.

The device, which a patient can recharge at home — as infrequently as once in three years — has been implanted in nine Pennsylvanians, including three teenagers and an 83-year-old woman. The first unit was inserted in a patient at the Hershey Medical Center in November 1974.

"Other significant features are a life of 20 years or more; easier and safer monitoring than for conventional units; and reduced physical, emotional and financial drain on patients, who will need fewer medical checkups and perhaps no replacement operations," says Dr. G. Frank D. Tyers, a cardiothoracic surgeon and associate professor of surgery at the Medical Center.

Pacemakers correct a condition known as "heart block," which, although most common in the elderly, can strike the young as a result of birth defects, illness or injury. The condition occurs when the heart's own rhythm center or pacer fails, or works irregularly or too slowly.

The new pacemaker, a half-inch thick and about the size of a double lipstick case, was developed principally by Dr. Tyers and Robert R. Brownlee, a senior research associate in the University's College of Engineering and Applied Research Laboratory.



The Penn State pacemaker.

The research team has eight patents issued or pending for the pacemaker and related technology. The manufacturer is Intermedics, Inc., of Freeport, Tex., the nation's third largest pacemaker manufacturer. The company has been given an exclusive license to use three patents to produce the pacer and its advanced telemetric monitoring techniques in its present lithium-pacers. The company will market these internationally.

The new unit is powered by a silver-mercury-zinc battery on which 50 years of use and recharging has been simulated. Although improved non-rechargeable pacemakers powered by lithium cells recently have become available, they do not have the potential to last as long as the Penn State unit. Nuclear powered pacemakers also are in use. The Penn State rechargeable model is smaller, less expensive and safer, according to Dr. Tyers.

The only rechargeable unit currently in use is powered by a nickel-cadmium

(Continued on back page)

Dr. Eddy to become Provost

Dr. Edward D. Eddy, president of Chatham College in Pittsburgh, has been appointed Provost, the University's number two administrative post, effective Aug. 1, 1977.

His appointment, recommended by President Oswald, was approved by the University's Board of Trustees on Thursday at a special meeting. The vote was unanimous.

Commenting on the action, Dr. Oswald said he was "highly pleased with the selection of Dr. Eddy, an outstanding leader in higher education," and "delighted that an individual of his competence and experience could be added to Penn State's overall administrative capability.

"Throughout his illustrious career, Dr. Eddy has consistently demonstrated an ability to recognize and deal effectively with the main challenges faced by private and public higher education, in Pennsylvania and the nation as well."

Dr. Eddy, 55, will succeed Dr. Russell E. Larson, who will retire Dec. 31.

As Provost of the University, Dr. Eddy will serve as the chief academic officer, to whom all deans and other key academic officers report, and as the Deputy President of the University. Included in his responsibilities will be serving as the top associate with President Oswald and the Board of Trustees on all matters relevant to the governance of the University; and Dr. Eddy will be expected to provide leadership in formulating a wide range of educational policies.

From Jan. 1 to Aug. 1, Dr. James Bartoo, dean of the Graduate School and professor of mathematics, will serve as Interim Provost. During this period he, Dr. Oswald and others will work closely with Dr. Eddy, who will spend occasional periods at Penn State familiarizing himself with its operations. Dr. Oswald expressed his appreciation of Dr. Bartoo's willingness to serve the University in this role.



Dr. Eddy

Dr. Eddy, broadly educated and active in the humanities, has been president of Chatham since 1960. He began his academic career in 1946 at Cornell University and from 1949 to 1960 served the University of New Hampshire, as a member of the English faculty, as Assistant to the President, and later as Provost and Vice President. In 1954-55, Dr. Eddy was Acting President of the University of New Hampshire.

A native of Saratoga Springs, N.Y., Dr. Eddy received his bachelor of arts and doctor of philosophy degrees from Cornell in 1944 and 1956, respectively, in comparative literature and drama. His master of theology was granted by Yale University in 1946.

He has received honorary degrees from Thiel College, 1962; Duquesne University, 1966; Saint Vincent College, 1967; University of New Hampshire, 1967; and Keuka College, 1968. He serves as a trustee of Wheaton College in Massachusetts.

Among the honors Dr. Eddy has received are: one of America's Ten Outstanding Young Men, U.S. Chamber of Commerce, 1956; Citation for Appreciation of Noteworthy Contributions to Education, Pittsburgh Public Schools, 1965; and All-Pennsylvania College Alumni Award for Outstanding Contributions to Higher Education in Pennsylvania, Washington, 1976.

Presently Dr. Eddy is serving in a leadership role with a number of civic and professional organizations. Included among his positions are:

Vice-chairman of the Board of WQED-TV in Pittsburgh and of the Henry C. Frick Educational Commission; commissioner, Pennsylvania Public Television Network; chairman, Government Relations Committee and member of Executive Committee, Pennsylvania Association of Colleges and Universities (PACU); and as immediate past Chairman of the Pennsylvania Commission for Independent Colleges and Universities; and of the Board of Directors of the Pittsburgh Symphony Society, The Pittsburgh Public Theater and the Pittsburgh Chamber Music Society.

Dr. Eddy previously had served as commissioner, State of Illinois Commission to Study Non-Public Higher Education; first president, Pittsburgh Council on Higher Education; and a member of the Committee for the Improvement of Undergraduate Teaching, American Association of University Professors and the Association of American Colleges.

Dr. Eddy has published widely on both public and private higher education issues. He has been particularly concerned with values in education and the strengthening of liberal arts education. His 1957 book, "Colleges for Our Land and Time: The Land-Grant Idea in American Education," is widely recognized as one of the key works on the land-grant movement.

The selection of Dr. Eddy was made from a list of candidates submitted to President Oswald by a University Screening Committee composed of six faculty members, five administrators and three students. It was chaired by Dr. John J. Coyle, professor of business administration and president of the University Faculty Senate.

An Ad Hoc Trustee Advisory Committee worked closely with the President in the process. Michael Baker, Jr., chairman; Walter J. Conti; Ralph Hetzel; Samuel F. Hinkle; J. Lewis Williams; Dr. Helen Wise; William K. Ulench, ex-officio; and Dr. Oswald, ex-officio.

Dr. Eddy is married to Mary Allerton Schurman, a native of New York City. She and her husband are the parents of four children: Tod, 25; Mary, 23; Catherine, 22; and David, 19.

Mrs. Eddy is founder and chairman of the Board of Pittsburgh's Reading Is Fundamental Program, now in its eighth year. The largest and most successful in the nation, the program annually serves more than 24,000 youngsters in all 40 of the inner-city schools. Mrs. Eddy also is a member of the National Board of Reading Is Fundamental.

Active in many other civic activities, Mrs. Eddy is secretary of the Board, Family and Children's Service, Pittsburgh; a member of the Women's Committee of the Museum of Art, Carnegie Institute; and a board member of Gateway to Music, serving the schools of Allegheny County; Job Advisory Service for Women; and the Carriage House Children's Center.

Dr. Oswald to be principal witness at IRS tuition hearings

President Oswald will be the principal witness for higher education at a hearing before the Internal Revenue Service commissioner on proposed IRS regulations that would treat tuition remissions for dependents of faculty and staff members at a university or college as taxable income.

Dr. Oswald told the University Faculty Senate last Tuesday that the American Council on Education asked him to speak at the hearing, scheduled for Dec. 17, for all higher education — public and private, church-related and non-church-related.

"I want you to know," he added, "that Penn State, not only through my role, but through activities of the Senate Faculty Affairs Committee, will be heard, and I hope heard effectively, before the Internal Revenue Service commissioner."

The Senate endorsed a letter from the Faculty Affairs Committee to the IRS commissioner protesting the proposed action.

According to John J. Cahir, committee chairman, the proposed regulations would involve withholding from the employee's salary if a dependent is receiving tuition remission.

The letter calls the IRS proposal "an administrative nightmare" and "a regulation of dubious equity."

At present, some 2,000 dependents are taking advantage of tuition remissions at the University.

In other business, the Senate:

— Approved policy waivers for the Extended Degree Program in Nursing.

— Heard an informational report on the University budget process.

— Received informational reports from the Subcommittee on Academic Standards and the Subcommittee on Reinstatements.

PENN STATE INTERCOM

Energy saving suggestions

In an "Energy Bulletin" released last week by Ralph E. Zilly, vice president for business and chairman of the Executive Energy Conservation Committee, administrators, faculty, staff and students are urged to practice sound energy-conservation techniques.

The conservation habits of the University family, says Mr. Zilly, are "fundamental to the success of our Energy Conservation Program; mechenical changes and improvements alone can take the program only so far."

Some of the suggestions offered by the committee are:

A. All Areas

1. Insure that radiators, heating units, and ventilation registers are not obstructed by shelving, plants, furniture or other objects.

2. Thermostats in occupied spaces should be set no higher than 68° unless an exception has been approved by the Executive Energy Conservation Committee. Storage or other unoccupied spaces should be set no higher then 55°. Portable electric heaters are not permitted.

3. Windows should be kept closed at all times. Shades and blinds should be closed overnight and weekends, except on ground floors.

4. The use of domestic hot water should be curteiled as much as possible.

5. Insure that copy machines are completely turned off overnight and weekends; the use of such machines should be reduced es much as possible.

6. All room lightng, the anticipated need for which does not exist for 15 minutes or more, should ba turned off; natural light should be used when possible in lieu of artificial light.

B. Laboratories

1. Storage in refrigerators, deep freezers, and growth chambers should bs consolidated where possible; explosion-proof units may contain ordinery materials but not conversely.

2. Insure thet eutoclaves and sterilizers elways contain e lull load when operating.

3. Insure that fume hoods end ovens are operating only when required.

4. Curtell the use of process steam and compressed air, whether locally generated or from the campus systems, to the maximum possible extent.

5. Curtail the use of distilled water where possible.

6. Curtail the use of naturat gas to the maximum possible extent.

C. Athletic Areas and Gyms

1. Insure that all lighting is oft immedlately after use, even where automatic timers are installed.

D. Repairs

1. Insure that the individual responsible for the area is mede aware of malfunctioning equipment, fixtures, controls, switches, timers, thermostats, etc.; that individual should promptly call Maintenance and Operations at 865-4731.

Anyone who has any suggestions or recommendations for energy conservation should contact J. C. Dean, manager of the Energy Conservation Program, 863-0538, or the appropriate building coordinator.

Also as part of the energy conservation ellort, during the current holday season, people are reminded of the need to avoid the use of extra lighting. The committee requests that no indoor decorative lighting be used in University buildings.



Left to right are Dr. Russell E. Larson, provost; Dean Walters; Mrs. Leonard; Mrs. Miller; Dr. Stanley Weintraub, director of the Institute for the Arts and Humanistic Studies which commissioned John LaMontaine to write "Be Glad Then America;" and Raymond H. Brown professor of music and director of University choirs, which, with the Pittsburgh Symphony Orchestra and guest soloists, presented the program under the artistic direction of Sarah Caldwell.

DAR presents award to University

"Be Glad Then America," produced in February at the University as a Bicentennial project, brought Penn State a special award from the National Society of The Daughters of the American Revolution United States of America Bicentennial Committee.

The presentation was made to Dr. Walter H. Walters, dean of the College of Arts and Architecture and executive producer of the work; by Betty B. Miller, of Wyoming, Pa., State regent, and Amy P. Leonard, of Ambler, chairman of the DAR Bicentennial Committee.

Pacemaker

(Continued)

cell. It works for less than three months without recharging, and it is recommended that it be recharged an hour per week.

The Penn State pacemaker, Dr. Tyers says, should last at least 20 years, and needs recharging only once every three years — although once or twice a year is recommended.

One of the most important advantages of the new pacemaker is a unique system of "telemetric monitoring": patients can check at home whether their unit's hermetic seal, lead, cell voltage and seven other functions are normal, by using equipment as simple as a transistor radio; or they can have this check made by telephoning their physician or a special cardiac service, and holding the phone near their monitor-transmitter.

This telemetry technology is new to the pacemaker field. Mr. Brownlee says the majority of current pacemakers are monitored solely by pulse rate changes, which give information only about the battery.

In addition, the Penn State pacemaker, like some modern units, is hermetically sealed with a new low temperature technique to prevent thermal stressing of internal components. Hermetic sealing eliminates deterioration by body fluids, a major defect in previous units.

Each year an estimated 100,000 patients receive pacemakers in the United States, more than half of them replacements for run down or "wet" non-hermetic units.

"The reduction in replacements operations resulting from long-life pacemakers can save over $100 million per year in surgical, hospital and pacer replacement costs," Dr. Tyers estimates.

Two basic types of pacers are used. One, called a "demand" unit, is needed when the heart's own pacer works intermittently. This unit automatically goes on when the patient's heart rate drops too low. The other, a "fixed rate" unit, is used in patients whose pulse rates are almost always below the normal range of 70 to 75 beats a minute.

The artificial pacemaker stimulates a heartbeat by sending an electrical impulse to the heart along a fine wire coil called a "lead." The pacemaker itself is implanted about half an inch beneath the skin, usually near the shoulder.

Recharging a pacemaker is a simple and painless process. The patient places a special coil on the skin over the pacemaker. This sends an electromagnetic signal through the skin to a receiver in the unit. Depending on individual needs and desires, recharging can be done anywhere from three minutes daily to ten hours every six months.

Dr. Tyers has worked on a rechargeable pacemaker since 1966 when he was a surgical resident at the University of Pennsylvania. Mr. Brownlee has worked on signal processing and low energy circuitry for more than 20 years. Their collaboration began when Dr. Tyers joined Penn State's Medical School faculty in 1970. Their findings from simulated, animal and humen testing have been reported in over 40 scientific journals. Several still unlicensed patents are pending with regard to energy conservation techniques for non-rechargeable pacers and new and safer demand pacers, which are not adversely influenced by a pulsating electromagnetic interference.

The research team also includes from Hershey, Dr. Howard C. Hughes, Jr., an assistant professor of comparative medicine and veterinary surgeon; James Donachy, research associate; and Ida N. Gorman and Norman J. Mantey, research technicians; and from University Park, Paul H. Neff, an electronic designer engineering designers Carl Volz Jr., Clair Harpar and Joseph Lynn; chemical engineers Ronald Danner and Edwin Choy; and Louis Kush and Joseph Hicks, transformer design specialists from the University's Applied Research Laboratory.

The Penn State project which led to development of the device was funded by the Pennsylvania Research Corporation, the National Lung and Heart Institute, the Pennsylvania Science and Engineering Foundation (an agency of the State Department of Commerce), and the H. G. Barsumian M.D. Memorial Fund, a private foundation in Lancaster. The Research Corporation (New York), a non-profit agency which provides university patenting and licensing assistance, funded the patenting and negotiated the license with Intermedics.

Faculty notes

Dr. Thomas Jech, professor of mathematics, has received a travel grant from the National Academy of Sciences to visit the Hungarian Academy of Science in Budapest, where he will participate in an interacademy exchange program. While in Budapest, Dr. Jech wil conduct research at the Mathematical Institute of the Hungarian Academy of Science.

Dr. Richard J. Santen, associate professor of medicine at Hershey, was one of 35 scientists from the United States, Canada and Europe invited to participate a White House Conference on breast cancer Nov 22-23 in Washington, D.C. He spoke on "Medical Adrenalectomy" at the sessions, which were entitled "Breast Cancer: A Report to the Profession 1976." The meeting was co-sponsored by the National Cancer Institute and the American Cancer Society.

Dr. Frank J. Swetz, associate professor of mathematics and education at Capitol Campus, has been named guest editor for an upcoming issue of "Chinese Education," which will consider the technique and content of informal science education in the People's Republic of China. Dr. Swetz also has written "Chinese Education and the Great Cultural Revolution," an article published in "Introduction to the Foundations of American Education: Readings."

Dr. Jacob L. Susskind, assistant professor of social science and education at Capitol Campus, presented a paper on "Ethnic Oral History" at the National Council for the Social Studies meeting in Washington, D.C., in November.

Dr. Eugene T. McDonald, research professor emeritus of speech pathology, has received the highest award of the American Speech and Hearing Association (ASHA), the Honors of the association, in recognition of "distinguished service in the profession" and for "his long and illustrious service" to the association. The ASHA is the national scientific and professional association for speech and language pathologists, audiologists, and speech and hearing scientists concerned with communication behavior and disorders. It is made up of some 25,000 members.

Dr. Arthur Hayes Jr., associate professor of medicine and pharmacology and chief of clinical pharmacology, has been elected a Fellow of the American College of Cardiology.

Scholars from France and Yugoslavia are visiting the Department of Mathematics during the current academic year. **Dr. Gilles Loupias,** professor of mathematics at the Scientific and Technical University of the Languedoc, France, and **Dr. Ejup Hamiti,** head of the engineering faculty, University of Prishtina, Yugoslavia, are both conducting research during their visits. Dr. Hamiti, who is visiting as an International Research and Exchange Board (IRE) Scholar, is a specialist in the theory of semi-groups. Dr. Loupias maintains interdisciplinary interests in mathematics and physics.

Dr. Thomas F. Powers, professor of organizational behavior, has been named editor of the John Wiley & Sons "Service Management Series." Dr. Powers is professor in charge of the Food Service and Housing Administration Program in Human Development.

Dr. Parris H. Chang, professor of political science, was efected president of the Mid-Atlantic Region Association for Asian Studies at the group's annuel meeting in October. Serving with him will be **Dr. William Duiker,** associate professor of history, as a member-et-large of the Executive Committee, and **Dr. E-tu Zen Sun,** professor of history, as a member of the Advisory Council.

Several University staff members from the College of Education participated in the annual meeting of the National Reading Conference last week in Atlanta, Ga. **Dr. Mary M. Dupuis,** assistant professor of education, chaired a symposium session on "Training the Secondary/Adult Content Teacher. Attitudes and Knowledge about Reading." Also participating in the session were **Dr. Eunice N. Askov,** associate professor of education, and **Joyce W. Lee** and **Carlotta C. Young,** graduate students. **Dr. Emery P. Bliesmer,** professor of education and director of the Clinical Reading Center, chaired another symposium session on "Reading Programs for Vocational-Technical High School and College Students."

R. Lance Shotland, assistant professor of psychology, is the author of the book "University Communication Networks: The Small World Method," which has been published by John Wiley & Sons, Inc. The book is an empirical study of the social structure of large universities and demonstrates a new sociological method for the objective description of large-scale social systems.

Dr. Shotland, who came to Penn State in 1972, received his B.S. and M.A. in psychology at Michigan State University, and his Ph.D. in social psychology, also at Michigan State. He is the co-author of "Television and Anti-Social Behavior: Field Experiments," which was published in 1973.

Dr. Irwin Feller, program director of the Center for the Study of Science Policy and professor of economics, has been appointed to the Steering Committee of the Northeastern Workshop and Conference on Technology Assessment. The purpose of the conference is to briel policy level officials in the legislative and executive branches of government on the use of technology assessment on the issues of 1) increased use of Appalachian coal as an energy source, 2) solid waste management, 3) pitfalls and opportunities ahead in the expanded application of telecommunications, and 4) unconventional sources of government revenue. The December conference is being organized by the Vermont State Planning Office under e grant from the National Science Foundation.

PENN STATE intercom

Volume 5, Number 61 December 16, 1976

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule



These Nativity scenes are on display in Kern Commons Gallery as part of the Inter-Cultural Celebration. They were made, from top, in Ecuador, Jordan, the Philippines and Taiwan.

Senate protests IRS proposal

Following is the letter to be sent to Donald C. Alexander, Commissioner, Internal Revenue Service, with the endorsement of the University Faculty Senate.

The Faculty and Staff of The Pennsylvania State University, through their elected University Faculty Senate, wish to add their protest to the proposed amendments to the Income Tax Regulations which would have the effect of making tuition remission taxable income.

The proposal is contrary to the legislative record because congressional intent was to construe tuition remissions as scholarships. It is judicially inappropriate because it has the potential effect of destroying, under the Fair Labor Practices Act, a program it merely attempts to tax. It is an administrative nightmare. It flies in the face of well-established practices in the American Labor Movement where products and services are made available to employees at discount. Finally, it is a regulation of dubious equity inasmuch as it proposes to single out for increased taxation one group which has suffered steady declines in real income for several years and which has an excellent record of tax compliance.

For all of these reasons, we strongly endorse the statement and sentiments of our President, Dr. John W. Oswald, who will be appearing before you at the scheduled public hearing.

John J. Coyle
Chairman
University Faculty Senate

John J. Cahir
Chairman
Senate Committee on Faculty Affairs

News in brief

Social Security tax base changes

As of Jan. 1, 1977, earnings up to $16,500 will be subject to Social Security withholding. This is a $1,200 increase from the current base of $15,300. The rate of contribution remains at 5.85 percent. This latest change in the tax base is the result of increased benefits tied to cost-of-living increases as provided by law.

Employees who earn less than $15,300 will be unaffected by this change, but those with salaries above this amount will have an increase in withholding which will range up to a maximum of $70.20. The maximum Social Security tax an employee will pay in 1977 will be $965.25.

Under the Social Security program, each dollar of tax paid by an employee is matched by the University.

Inn offers Christmas buffet

The Nittany Lion Inn is offering a special Christmas buffet from 12:30 to 2:30 p.m. and from 5 to 8 p.m. on Sunday, Dec. 19. Entrees include roast top round of beef, lobster linguini, English-style pork and onion casserole with bacon dumplings, and baked chicken with cranberry glaze. Among the tempting side dishes will be baked apples stuffed with mincemeat, candied sweet potatoes, baked squash custard, and dami-loaves of raisin bread. Featured desserts are fruitcake, pecan pie and various ice creams. The chef is preparing specially decorated centerpieces to capture the mood of the season, and there will be a wassail bowl. All this for the price of the regular buffet — $5.95 for adults and $2.75 for children under 12.

United Way short of goal

The University Park United Way campaign is $6,500 short of its goal of $87,000, according to Ray T. Fortunato, University campaign chairman. A substantial number of givers from past years have not yet contributed, but if each person who gave $50 or more last year would contribute now, Penn State could exceed its goal, Mr. Fortunato noted, adding: "It would be a disappointment if the University did not do its share by reaching its goal."

Since the University would like to close its books by Dec. 31, Mr. Fortunato asks that all contributions be received by that date. Information on methods of contribution is available by calling 865-1412.

HUB closes Dec. 22

The HUB Terrace Room will close for the holidays after dinner on Wednesday, Dec. 22, reopening for lunch on Sunday, Jan. 2. The Lion's Den will follow the same schedule.

Ice skating classes open

A registration for the second ten weeks of Penn State's ice skating school will be held from 5 to 7 p.m. on Friday, Dec. 17, at the Ice Pavilion. Classes are available at beginning through advanced levels for children, teenagers and adults, and there are family rates.

Instruction will be provided for children and families from 5:20 to 6:20 p.m. on Tuesdays. Adults and older youths will skate from 6:40 to 7:40 p.m., also on Tuesdays. There will be an adults-only class from 7 to 8 p.m. on Wednesdays and one for children and older youths from 12:30 to 1:30 p.m. on Saturdays. Lessons begin in January.

Linguistics scholar to visit

Austrian linguistics scholar Wolfgang Dressler of the Institut fur Sprachwissenschaft der Universitat Wien, will visit the University under the sponsorship of the Institute for the Arts and Humanistic Studies from Jan. 4 through 15. Among his scheduled public lectures are "Discourse Analysis" on Tuesday, Jan. 4, and "Language Change" on Thursday, Jan. 6, both at 7:30 p.m. in Room 101 Kern.

General Engineering gets safety award

The Department of General Engineering has received the Pennsylvania Manufacturers Association Insurance Company's "Million Hour Award," the sixth "Million Hour Award" given at the University.

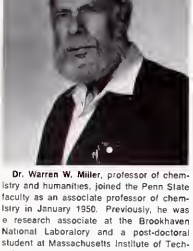
According to Howard D. Triebold Jr., manager of Safety Services, the award is distinctive because it involves 333 people who worked 4,626,478 hours without a lost-time accident from Sept. 1, 1953, to Aug. 1, 1976.

"The number of years and hours is more significant when one talks in terms of man-years, which in this case amounts to 2,313," noted Mr. Triebold. "I'm not sure that this wouldn't be the first award of its kind in the country which is backed up by such impressive statistics.

"The University is grateful for the interest, concern and awareness to safety that these faculty members in General Engineering have exhibited over the years."

PENN STATE COLLECTION

Faculty notes



Dr. Warren W. Miller, professor of chemistry and humanities, joined the Penn State faculty as an associate professor of chemistry in January 1950. Previously, he was a research associate at the Brookhaven National Laboratory and a post-doctoral student at Massachusetts Institute of Technology and Harvard. A graduate of Ohio State University, he earned the Ph.D. degree at the University of California, Berkeley.

A specialist in nuclear and radiochemistry, he has conducted research on instrumental methods, activation analysis and nuclear recoil effects. He has also developed instructional laboratory methods and procedures in radiochemistry and is the author of a laboratory manual for Penn State's radiochemistry course.

Over the last decade, he has also developed and taught the course, Modern Science and Human Values, for the division of General Education in Humanities and Social Sciences.

In 1969 he was on leave at the Euroatom Laboratory, Ispra, Italy. In 1957 and 1958, he was a member of the U.S. Atoms for Peace Missions to Latin America and in 1959-60, while on leave, he was Director of Instructional Program at the Puerto Rico Nuclear Center, Mayaguez, Puerto Rico. He has also served as a consultant to the U.S. Geological Survey and the U.S. Atomic Energy Commission Division of International Affairs.

Eugene N. Borza, associate professor of history, recently completed a series of invited lectures at several American institutions. As a national lecturer of the Archaeological Institute of America, he spoke to archaeological societies at Michigan State University, the University of Toledo and the Detroit Institute of Arts. He also lectured at the University of Michigan as a guest of the Center for the Coordination of Ancient and Modern Studies, and at the State University of New York at Binghamton as the guest of the Departments of History and Classical and Near Eastern Languages. Dr. Borza's subject was "Sentimental Philhellenism: The Ancient Greeks and the Modern West," an analysis of how 19th-century romantic philhellenism shaped modern attitudes about ancient Greece.

Carroll L. Key Jr., assistant director at ARL, is the inventor of a "Gating Means for Torpedo Acoustic Homing Systems" for which U.S. Patent No. 3,990,378 was recently granted.

Dr. Richard L. Gordon, professor of mineral economics, was one of 18 energy specialists who participated recently in an energy supply workshop held in Paris by the International Energy Agency. He presented a paper, "Coal Supply Prospects in the United States — A Survey of Current Knowledge." The International Energy Agency was established to coordinate energy activities of the U.S. and other leading industrialized nations. Dr. Gordon was also recently a guest of the Institute for Mining and Minerals Research at the University of Kentucky. There he gave a seminar on the problems of the economic analysis of energy availability, emphasizing coal supply analysis.

Dr. Paul R. Cornwell, associate professor of psychology, co-authored two articles in the October issue of the Journal of Comparative and Physiological Psychology. They are "Performance on the Visual Cliff by Cats with Marginal Gyrus Lesions" and "Marginal and Extramarginal Cortical Lesions and Visual Discrimination by Cats."

Dr. Eliot R. Hammer, assistant professor of sociology et the Schuylkill Campus, is the author of a new book, "Environmental Policy: A Sociological Assessment of Abatement Alternatives." Published by Gordon Press, New York, N.Y., the work represents the first published analysis of alternative industrial pollution abatement policies from a sociological perspective.

Dr. Walter I. Thomas, associate dean for research in the College of Agriculture and professor of agronomy was one of four guest speakers from the United States at an Agricultura Today seminar held recently in Bucharest, Romania. Dr. Thomas spoke at six seminars on new trends in developing varieties and hybrids resistant to insects and diseases and unfavorable environmental conditions. In addition, he was invited to visit a number of Romanian research institutes prior to the seminars.

Dr. Richard A. Queeney, associate professor of engineering mechanics, was recently appointed to the Subcommittee on Fracture Resistance of Ceramic Materials of the American Society for Testing and Materials (ASTM). The group's initial meeting was held Dec. 1 at NASA's Lewis Research Center in Cleveland, Ohio. At that time Dr. Queeney presented a paper, "Microstructural Size Effects in Determining Fracture Toughness."

Dr. John M. Warren, professor of psychology, has written a chapter for the book, "Evolution of Brain and Behavior in Vertebrates," published by Eribaum Associates. The chapter is titled "Tool Use in Mammals."

Dr. George Whitfield, associate professor of physics, presented a talk, "Solitonlike Solutions of the Poleron in One Dimension," at the University of Montreal on Nov. 8.

Publication of the third edition of a textbook, "Architectural Drafting and Design," by **Ernest R. Weidhaas** has been announced by Allyn and Bacon, Inc. Mr. Weidhaas is assistant dean for Commonwealth Campuses, the College of Engineering, and head of the Department of General Engineering.

Designed for the technical institute student studying for a career as an architectural draftsman, the book includes architectural design in addition to architectural drafting. The third edition contains new chapters on metrication, safety awareness and fire protection, sketching techniques, projection theory, and specifications. A comprehensive Instructor's Handbook was published concurrently.

Dr. Charles Craypo, associate professor of labor studies, is the author of "Bargaining Units and Corporate Merger: NLRB Policy in the Intercity Bus Industry." The article appeared in the summer issue of Industrial Relations Law Journal.

Dr. Paul T. Baker, professor of anthropology, has written a chapter for the book, "The Measures of Man: Methodologies in Biological Anthropology," published by Peabody Museum Press. The chapter is titled "Research Strategies in Population Biology and Environmental Stress."

Dr. Harrison T. Meserole, professor of English, has published three works. He is the author of "Shakespeare: Annotated World Bibliography for 1975" in the autumn issue of Shakespeare Quarterly, and "New Voices from Seventeenth Century America," a chapter in the book, "Oiscoveries and Considerations: Essays on Early American Literature and Aesthetics Presented to Harold Jantz." Dr. Meserole has co-authored "A Guide to English and American Literature," a book published this year.

Dr. Robert LaPorte Jr., professor of public administration, is the author of "Regionalism and Politicat Opposition in Pakistan: Some Observations of the Bhutto Period," an article which appears in the September issue of Asian Thought and Society.

Dr. Arthur Goldschmidt, associate professor of history, recently spoke at the tenth annual meeting of the Middle East Studies Association on "A Biographical Dictionary for Modern Egypt: A Progress Report."

Gerald M. Moser, professor of Romance languages, has been elected to membership on the Advisory and Nominating Committee of the Books Abroad sessions. Books Abroad, an International literary quarterly, will hold its annual meeting in New York this month in conjunction with the forthcoming convention of the Modern Language Association of America.

John Mourant, professor emeritus of philosophy, will be visiting professor during the winter quarter at Cleveland State University. He will be giving two courses: Problems of Philosophy, on the undergraduate level, and a graduate seminar on Augustine.

Dr. Warren C. Robinson, professor of economics, has been named director of the Population Issues Research Office, succeeding Dr. Gordon F. DeJong, professor of sociology, who has headed the program since 1974. The office, established in 1971, is an interdisciplinary research and studies program with a major emphasis on the study of population issues. Dr. Robinson's research interests have been primarily in the field of population growth and economic planning, with emphesis on population in developing countries, and in public finance with special reference to problems of reform in the U.S. tax system.

Dr. Nora S. Newcombe, assistant professor of psychology, has co-written an article on "Semantic Effects on Ordered Recall," which appears in the August issue of the Journal of Verbal Learning and Verbal Behavior.

Dr. George M. Enteen, associate professor of history, has written an article, "Marxists vs. Non-Marxists: Soviet Historiography in the 1920s," which was published in the Slavic Review.

Retirement



"After World War II, Greenhill was invited by the University of Melbourne to create an AV Center. This whetted his appetite for instructional film use. Pursuing that interest on leave in England, he received a clipping from a friend: There was a government-financed, film-research program going on at Penn State. The upshot? Ray Carpenter invited him to come over for six or seven months. That was October 1948. Les Greenhill is still here."
—**Media and the Adult Student, One Man's Journal** by Robert D B Carlisle.

When Leslie P Greenhill accepted that invitation to spend a little time at Penn State, he had no idea that his tenure would last until retirement on Jan. 1, 1977. He probably hadn't the slightest idea, either, that his field would be a booming one over the next few decades and that he would be looked upon as a pioneer in the area that has come to be known as "instructional services."

During his Penn State career, Mr. Greenhill, who now has the title of assistant vice president for academic services and director of the University Division of Instructional Services, has had, among others, these titles: Visiting Fellow and assistant director of the Instructional Film Research Program; associate director of the Instructional research program; assistant to the vice president for academic affairs; and assistant vice president for resident Instruction.

He also holds the rank of professor in the College of Education and the Board of Trustees has granted him emeritus status both as UDIS director and as a professor.

Mr. Greenhill has served for about 20 years as editor of "PCR: Films in the Behavioral Sciences," a special collection of films for university teaching; director of "Encyclopaedia Cinematographica" at the University; and a member of the editorial board of "Encyclopaedia Cinematographia." Mr. Greenhill explains that this collection is a special international archive of scientific films with headquarters in Germany.

He served as president of the American Science Film Association from 1968 to 1970, U.S. representative to the International Scientific Film Library in Brussels from 1964 to the present, and a member of the editorial board of the Journal of Educational Technology Systems from 1972 to the present. He is the author of more than 125 publications in the field of educational technology.

In 1974-75 he was president of the State College Rotary Club, and in 1975 he received the Pioneer Award of the Pennsylvania Learning Resources Association.

A native of Australia, Mr. Greenhill is a graduate of the University of Melbourne. He also received a diploma in industrial psychology from the Australian Institute of Management. He was chief technical officer of the Audio-Visual Center at the University of Melbourne, prior to embarking on his "visit" to Penn State, via England.

Mr. and Mrs. Greenhill plan to maintain their home in State College, but hope to do a lot of traveling, including an upcoming visit to Australia, his first trip back in 30 years.

Appointments

Robert C. Creese as assistant professor of industrial and management systems. B.S., Penn State; M.S., UC-Berkeley; Ph.D., Penn State. Former associate professor at Grove City College.

Richard D. Rodefeld as assistant professor of agricultural economics and rural sociology. B.S., M.S. and Ph.D., U. of Wisconsin. Former assistant professor at Michigan State U.

Robert J. Williams as assistant professor of mechanical engineering. B.S.M.E., U. of Wisconsin; M.S.M.E., U. of Iowa. Presently working on his Ph.D. from Wisconsin.

Steven S. T. Yee as assistant professor of philosophy at Berks Campus. B.S., St. Louis U.; M.A., U. of Hawaii; Ph.D., Penn State.

Judith A. Lyons as assistant librarian in University Libraries. B.A., Lake Forest College; M.A.T., Brown U.; M.L.S., Indiana U. Former instructor at Northern Virginia Commonwealth College.

Diane H. Smith as assistant documents librarian in University Libraries. B.A., Marshall Washington College; M.L.S., U. of North Carolina. Former intern for the Office of State Planning in North Carolina.

Ellen K. Knodt as instructor of English at Ogontz. B.A., Northwestern U.; M.A., Purdue. Former lecturer at Ogontz.

Mark Steven Wagner as assistant Extension agent in Westmoreland County. B.S. and M.S., Oklahoma State University.

Fall JGE out

The fall issue of The Journal of General Education, just published by Penn State's Press, takes note of America's Bicentennial celebration. Heinz K. Henisch, professor of physics and of the history of photography at Penn State and his wife Bridget, formerly lecturer in medieval English literature at the University of Reading, England, contribute an article, "Major Andre," examining the character, personality and effectiveness of that "charming, talented and unlucky young man."

Kenneth Burke, who has visited and lectured at Penn State on several occasions, writes "On Looking Back." A former faculty member, Chad Hansen, now at the Chicago Circle campus of the University of Illinois, reviews "Puritanism in America: New Culture in a New World," by Larzer Ziff. Also reviewed is "Pennsylvania 1776," which was published by the Press last year and edited by Robert Secor, associate professor of English with the help of many Penn State faculty members. The reviewer is Joseph G. Rayback, professor of history at Temple University.

The Journal is edited by Caroline D. and Robert B. Eckhardt.

University Park Calendar

December 16—January 6

Items to be included in this calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special events

Thursday, Dec. 16

Inter-Cultural Celebration, Winter Arts Festival, Findley Union Bldg. Concert by Jerry Loyd Ensemble, 12 noon, Kern lobby. International films, 1 p.m., Kern lobby and HUB lounge. Bloomsburg Baroque Ensemble, 8 p.m., Room 101 Kern.

Five O'Clock Theatre, "Gone by Morning," 5 p.m., Pavilion Theatre.

Early Society Speaking Contest, 7 p.m., HUB assembly room.

Penn State Invitational Film Festival, 8 p.m., University Auditorium.

University Readers and Women In Communications, "Miscellania Christmas," 8 p.m., Room 112 Kern.

Intramural Sports: Swimming tournament, undergraduate division, entry close.

Friday, Dec. 17

Inter-Cultural Celebration, International films, 12 noon, HUB lounge; 1 p.m., Kern lobby. Concert, Phi Mu Alpha and Mu Phi Epsilon, traditional Christmas carols, 12.15 p.m., Kern lobby. International Coffeehouse, 8 p.m., Room 102 Kern.

Holiday Candlelight Dinner, 4:45 p.m., HUB Terrace Room.

Five O'Clock Theatre, "Gone by Morning," 5 p.m., Pavilion Theatre.

Folk, Square and Ballroom Dance Roundup, 7:30 p.m., Room 133 White.

University Readers and Women In Communications, "Miscellania Christmas," 8 p.m., Room 112 Kern.

Penn State Invitational Film Festival, 8 p.m., University Auditorium.

Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.

HUB/WEHR Spotlight Disco, 9 p.m., HUB ballroom.

Intramural Sports: Wrestling tournament, undergraduate division, sing elim. entry open.

Saturday, Dec. 18

PSOC Hiking Division, crazy cold winter solstice backpack 9 a.m., HUB parking lot.

Sports: Men's fencing, vs. New York University, 2 p.m.; wrestling, vs. Lock Haven, 2 p.m.

Holiday Candlelight Dinner, 4:45 p.m., HUB Terrace Room.

Folklore Society Square Dance, 8 p.m., HUB ballroom.

Art Education Dept. lecture on "Hebrew Art," 8 p.m., HUB assembly hall.

"Myths and Legends of the Winter Skies," 8-10 p.m., Shavers Creek Nature Center, Stone Valley.

International Council social, 8:30 p.m., Rooms 320, 321, 322 HUB.

Sunday, Dec. 19

Chapel Service, 11 a.m., Music Bldg. recital hall. The All-Faith Choli, "Navidad Nuestra."

Black Christian Fellowship worship service, 11:15 a.m., Multi-Purpose Room, Eisenhower Chapel. Pastor Gerald G. Loyd.

PSOC Hiking Division, crazy cold solstice backpack, 9 a.m., HUB parking lot.

Penn State Brass Chorale and Penn State Glee Club, Christmas Concert, 2:30 p.m., Schwab.

Sports: Hockey vs. Rutgers, 7:30 p.m., Mid-Atlantic Collegiate Hockey Conference game.

Tuesday, Dec. 21

Comp. Lit. Luncheon, 12:15 p.m., Faculty Club. Terry Peavler, Spanish, on "The Novel in Cuba."

Sports: Men's basketball, vs. St. Francis (Pa.), 7:30 p.m.

Sunday, Dec. 26

Black Christian Fellowship worship service, 11.15 a.m., Multi-Purpose Room, Eisenhower Chapel. Elder Gary Abdullah.

Sunday, Jan. 2

Black Christian Fellowship worship service, 11.15 a.m., Multi-Purpose Room, Eisenhower Chapel. Pastor Gerald G. Loyd.

Monday, Jan. 3

Sports: Men's basketball, vs. Colgate, 7:30 p.m.

Tuesday, Jan. 4

Comp. Lit. Luncheon, 12:15 p.m., Faculty Club. Ronald Buckalew, English, on "A Thousand Years of Aelfric's 'Grammar' "

Wednesday, Jan. 5

HUB/Free-U. Coffeehouse, 8:30 p.m., Room 301 HUB.

Seminars

Thursday, Dec. 16

STS — 2 Cultures Dialog, noon lunch, 12.45 talk, Faculty Club. Gordon C. Godbey, associate dean, Education, on "Educational Technology and the Ogre of Efficiency."

Chemistry, 12:45 p.m., Room 333 Whitmore. Benjamin M. Gimaic, U. of South Carolina, on "Applications of Dualitative Molecular Orbital Theory."

Anthropology, 3:30 p.m., Room 101 Carpenter. Paul W. Leslie, U. of Texas, on "Cellbacy, Emigration and Human Genetics."

Art Pathology, 8 p.m., Room 101 Althouse. Ann F. Rhodes, Morris Arboretum, on "The Nature of Ozone Resistance in Bell-B Tobacco."

Industrial and Management Systems Engineering, 3 p.m., Room 206 Hammond. Eugene Kozik on "Data Management Systems."

Accoustics, 4 p.m., Room 73 Willard. J. J. Henry, Mechanical Engineering, on "Tire Noise Properties in Relation to Skid Resistance."

Friday, Dec. 17

Computation Center, 4 p.m., Room 110 Comp Bldg. "Introduction to Comp. Center (2)."

Monday, Dec. 20

Biochemistry and Biophysics, 3:55 p.m., Room 101 Althouse. Chester Meyers, Tulane University School of Medicine, on "The Chemistry and Biology of Somatostatin with Some New Approaches to Peptide Synthesis,"

Tuesday, Dec. 21

Plant Pathology, 9:45 a.m., Room 213 Buckhout. Styllanos Tavantzis on "Hoja Blanca."

Food Science, 11:10 a.m., Room 201 Borland. Mary Keith on "Challenges for Food Scientists Overseas."

Water Pollution Control, 2:20 p.m., Room 124 Sackett. Tracy W. Greenlund, president, Tracy Engineers, Camp Hill, Pa., on "Phosphorus Removal in Europe and the United States."

Monday, Jan. 3

Biochemistry and Biophysics, 3:55 p.m., Room 101 Althouse. Robert Hamilton, biology, on "Crown Gall Tumor Induction."

Tuesday, Jan. 4

Plant Pathology, 9:45 a.m., Room 213 Buckhout. Rogei Kaiser on "Soong Yien Shin's 'Rice Fevei Disease' 1636 or Blast of Rice, 'Pyricularia oryzae.' "

Environmental Design and Planning, 11:30 a.m., Room 318 Sackett. Wladyslaw Strumillo on "Artifact and Space."

Analytical Chemistry, 1 p.m., Room 333 Whitmore. Matthew Petersheim, "Non Dispersive Methods of Spectroscopy."

Water Pollution Control, 2:20 p.m., Room 124 Sackett. Oliver F. Smith Jr., Western Electric Co., on "Hazardous Waste Management at Western Electric."

Wednesday, Jan. 5

STS — 2 Cultures Dialog, noon lunch, 12.45 talk, Faculty Club. Speaker to be announced.

Thursday, Jan. 6

Chemistry, 12:45 p.m., Room 333 Whitmore. Ray P. W. Scott, Hoffman-LaRoche, Inc., on "Developments in the Theory of Liquid Chromatography."

Physics, 3:50 p.m., Room 117 Osmond. Louis Testardi, Bell Labs, Murray Hill, on "Defects, Instabilities, and High Temperature Superconductivity."

University schedule

Monday-Tuesday, Dec. 20-21

File for Pass/Fail.

Wednesday, Dec. 22

Drop deadline (21 day).

Course repeat deadline.

Preregistration deadline.

Winter term recess begins 9:55 p.m.

Monday, Jan. 3

Winter term classes resume, 8 a.m.

Tuesday, Jan. 4

Last date for written For. Lang. Exams (other than French and Spanish).

Films

Tuesday, Jan. 4

Artists Series Film Festival, Hitchcock, "The Man Who Knew Too Much," 8 p.m., University Auditorium.

Lectures

Tuesday, Jan. 4

Linguistics Program Lecture, 7:30 p.m., Room 101 Kern. Wolfgang Dressler, University of Vienna, on "Discourse Analysis."

Thursday, Jan. 6

Linguistics Program Lecture, 7:30 p.m., Room 101 Kern. Wolfgang Dressler, University of Vienna, on "Language Change."

Meetings

Monday, Dec. 20

Color Slide Club, 7:30 p.m., Room 112 Kern.

Tuesday, Jan. 4

Fixed date for meetings involving Commonwealth Campus faculty.

University Faculty Senate, 2:10 p.m., Room 112 Kern.

Exhibits

Museum of Art: Contemporary British Potters and Recent Accessions, Gallery B, through Dec. 22. Selections from the Permanent Collection, Gallery B, opening Jan. 2. From Gothic to Baroque, Gallery C. Contemporary Figurative Paintings from the Permanent Collection, Gallery A.

Zoller Gallery: Student Christmas Sale, Dec. 17-22.

Chambers Gallery: "Teachers, Children and Art Education" — photographs by Robert Ott; Antique Tools, through Dec. 22. Art Education Graduate Student Exhibition — mixed media, opening Jan. 4.

212A Arts Bldg.: Photographs by Richard Stoner, Maik Foker and Barbara Brubaker, through Dec. 23.

Kern Bldg. Gallery: Inter-Cultural Celebration — Canadian Art Exhibit, Ukrainian Student Club Exhibit, Latin American Wall Hangings, Christmas Ornaments, Nativity Scenes, Creches, Wooden Sculpture, and Jewelry from around the World.

International Center (111 Kern): Inter-Cultural Celebration — Latin American Environment and International Bazaar.

HUB Gallery: Inter-Cultural Celebration — Ukrainian Student Club Exhibition; Display of Handmade Wooden Toys by H. LeRoy Marlow, Model Railroad Club Display and Demonstration.

Robeson Cultural Center: Inter-Cultural Celebration — International Artifacts Exhibit.

Arts roundup

Glee Club-Brass Chorale concert

The Penn State Glee Club and the Brass Chorale will present their annual Christmas Concert at 2:30 p.m. on Sunday, Dec. 19, in Schwab Auditorium.

The concert will open with the Glee Club, directed by Bruce Trinkley, performing Jacob Handl's antiphonal motet, "O Magnum Mysterium," for two choirs. The major part of the Glee Club's presentation will be devoted to selections from "California Mission Music," written for the Indians of the California missions by Padre Narciso Duran (1776-1826) during the early part of the 19th century. The music will be accompanied by a small group of performers playing strings and flutes. Channing Lefebvre's concert arrangement of "Good King Wenceslas" will conclude the first half of the program.

The Brass Chorale directed by James Benshoof will perform contemporary arrangements of "Hark the Herald Angels Sing" and "Deck the Halls" as well as arrangements of other traditional Christmas music.

To conclude the program, the groups will combine in three medleys of Christmas songs, specially arranged by Mr. Trinkley.

Wind Ensemble to perform

The Penn State Symphonic Wind Ensemble, directed by Smith Toulson, associate professor of music, will be featured in an 8:30 p.m. performance on Friday, Dec. 17, in the Music Bldg. recital hall.

The concert will open with Paul Creston's "Prelude and Dance," and the 80-voice Penn State Glee Club, with Bruce Trinkley directing, will follow with a rendition of Randall Thompson's "Testament of Freedom."

Prof. Robert Trehy will sing Norman Dello Joio's "Songs of Abeland," a piece based on material the composer prepared for use by the Martha Graham dance company. Another Dello Joio work, "Variants on a Medieval Tune," performed as a set of variations based on "In Dulci Jubilo," the popular Christmas carol, will conclude the concert.

Chamber group plans tour

Musica da Camera, the University's chamber orchestra, will present three special benefit concerts, which are planned as fund-raising events for the group's projected European tour next May.

According to the group's director, Dr. D. Douglas Miller, associate professor of music, the ensemble will tour in Austria and Germany, providing its graduate student performers with the experience of performing in major European cities.

The three benefit concerts will be presented in the various galleries of the Museum of Art, and will be coordinated with the exhibits. The first, on Sunday, Jan. 9, will take place in the midst of the present "Gothic to Baroque" exhibit and will feature Renaissance and Baroque works. The second, on Feb. 20, will be set against the background of Prof. James Stephenson's exhibit and will feature the premiere of a "Suite for Strings" by Prof. Burt Fennel, written especially for Musica da Camera. The third, on March 27, will feature chamber and orchestral works of the 18th-20th centuries in a gallery with works from the museum's permanent collection.

Artists to visit this term

Several well known artists will visit the University during winter term under the auspices of the Department of Art. They include: Alan Cote, a graduate of the School of the Museum of Fine Arts in Boston, who has exhibited in the United States and Europe, from Monday, Jan. 3, to Friday, Jan. 21; Worden Day, an artist who has taught at five institutions in America, from Monday, Jan. 24, to Friday, Feb. 4; and Sam Gilliam, who has exhibited in the United States and France, from Monday, Feb. 7, to Friday, Feb. 18.

Each Tuesday during their visits, the artists will conduct an open critique from 1:30 p.m. to 3:30 p.m. in Room 311 Visual Arts Bldg.

Chambers Gallery exhibit

A collection of photographs and antique tools is on display through Dec. 22 in Chambers Bldg. Gallery.

The collection of photographs, entitled, "Teachers, Children, and Art Education," was created by Dr. Robert W Ott, assistant professor of art education. The photographs are photo-journalistic in nature and reflect the fleeting moments of creative activity that leaines and teachers engage in when they make and view art. Dr. Ott says of his work: "My camera serves as a recording instrument for observing, analyzing, and supervising the learning process involved in art."

The antique tools are part of the collection of Dr. Thomas E. Long, associate professor of vocational education, who has been collecting antiques since he was in high school and now owns approximately 60 antique tools. Dr. Long feels that toolmaking is an important craft, noting that a tool "has to be functional, practical, and artistically pleasing." Although many of these tools date from the last century and earlier, they are in use in Dr. Long's home workshop.

WPSX highlights

Different methods of childbirth are examined on "Giving Birth," an hour-long **Documentary Showcase** program, at 9 p.m. on Friday, Dec. 17. The program portrays the different childbirth methods and experiences of four couples.

Lord Peter Wimsey returns to **Masterpiece Theatre** in a four-part dramatization of Dorothy L. Sayers' "Five Red Herrings" beginning Sunday, Dec. 19, at 9 p.m. Recorded on location in Scotland's Galloway Hills, the drama centers around the murder of a disagreeable artist. Wimsey, played by Ian Carmichael, finds him-

(Continued on page four)

Mrs. Oswald on State group

Rosanel O. Oswald is among 39 outstanding women designated as members of the Pennsylvania Coordinating Committee for arranging an historic state meeting on the rights and responsibilities of women.

The meeting, one of a nationwide series that will include 56 meetings in all of the states and certain possessions, will lead to a National Woman's Conference to be held Nov. 18-21, 1977, in Houston, Texas. At the conference, recommendations, based on the results of the state meetings, will be made to eliminate the barriers "that prevent women from participating fully and equally in all aspects of national life." A final report with recommendations will be submitted by the National Commission to the President and the Congress in March 1978.

Earlier this year, the Congress of the United States named the National Commission on the Observance of International Women's Year (IWY), which was established in January 1975 by Executive Order, as the sponsor for the state meetings, all to be held before next July.

Congress has extended the life of the Commission through March 1978 and appropriated $5,000,000 for use in holding the state meetings and national conference.

Co-chairs for the Pennsylvania committee are Mary Hughes Burns, of Dillsburg; Kay Hague, of Pittsburgh; and Trudy Haynes, of Philadelphia.

Committee members, it is explained, were selected as individuals rather than as representatives of specific organizations.

Mrs. Oswald, by appointment of the Governor, was named in 1971 to the Pennsylvania Council on the Arts. In 1965-66, she was first chairman of the Kentucky Arts Commission, having been appointed as the Commission's chairman by the Governor of Kentucky. Also while at the University of Kentucky in 1965, she initiated and was co-chairman of the Centennial Conference of the University, a three-day meeting attended by 550 women, on the subject, "Women Equal But Different."

In 1974, she was named a consultant to the Central Illinois Consortium for the Arts in Peoria, Ill., and at Penn State in 1974 was designated as one of Ten Outstanding Women in the History of the University.

A native of Birmingham, Ala., Mrs. Oswald is a graduate of Alabama College for Women, now the University of Montevallo, with a bachelor of arts degree in childhood education. She has done graduate work in social psychology at Duke University and in 1952-53 studied at the Civic Art School, Arnhem, Holland. She has taught in the schools of Birmingham, Goldsboro, N.C., and New Orleans, La.

Solar kiln works on sun and wine

Zetko Kujundzic, associate professor of art at Fayette Campus, is mixing sunshine and white wine, but instead of a hangover, he's come up with a solar energy kiln. It will make the use of sunlight energy a thing of this century, he claims.

Mr. Kujundzic has devised a hollow lens, which he fills with four gallons of white wine. That liquid has a refraction index which allows him to concentrate the sun's rays in his kiln. The invention is a switch on the current state-of-the art in solar energy — massive rooftop collectors.

"The skeptics have said solar energy is a thing of the next century," Mr. Kujundzic points out. "They have said it is too expensive to harness and use practically. But the kiln disproves all that. I've reached temperatures above 2600°F. in less than eight minutes."



Prof. Kujundzic and his kiln.

Sunshine helps

Of course, the kiln functions most effectively on sunny days, but Mr. Kujundzic says, it does not lose its effectiveness entirely under overcast skies, when the oven has hit 400°. His discovery might be applied, he thinks, to such uses as heating, refrigeration, and running compressors and pumps.

Born in Subotica, Yugoslavia, Mr. Kujundzic says he is the product of an artistic family dating back to 1389. Metalsmiths, silversmiths and sculptors dominate his ancestry. In his youth he worked in studios as an apprentice, gaining knowledge and respect for art.

He studied mural painting in Venice until 1940 when World War II broke out and he returned to his homeland area. He maintained a front as an art student at the Royal College of Art in Budapest while working with the Hungarian Freedom Fighters, an underground organization fighting the Nazis.

In 1944 he was captured by the Nazis and taken to the Ukraine. He escaped and made his way on foot back to Yugoslavia — 1,000 miles — to rejoin the Underground.

"After the war I became disenchanted with the totalitarian ragime and left for greener pastures," says the artist. "You might say I escaped again. I was fighting for freedom. I didn't want to take off one yoke just to put on another!"

Mr. Kujundzic, whose autobiography "Torn Canvas" is in its second printing, made his way to Canada after several years in Great Britain. In British Columbia he founded the Kootenay School of Art, personally converting an old building into a multi-purpose studio. From 1964-67 he conducted short-term courses in ceramics and pottery for native Indian students under the sponsorship of the Koerner Foundation and the University of British Columbia.

The associate professor, who joined Penn State in 1968, adopted ideas from Archimedes, Lavoisier and Fresnel and applied them to the design of his solar kiln. His work satisfies him particularly, he notes, because it demonstrates how the integration of science and art can benefit mankind.

The scientific ramifications are evident, the benefit to the artist lies in economy. A normal kiln uses about $25 in electricity to fire ceramics, while solar energy is free. An artist, then, is more at ease with experimentation since he does not have to fret over wasted dollars if pieces do not turn out quite right. By experimenting, Mr. Kujundzic has already found he can get a perfect black coating in the kiln with zircon, which often gives a bubbled finish in conventional furnaces.

"There has been a division between science and art for too long," he laments. "People may ask what motivated me as an artist to enter solar energy research. I believe people should concentrate their creative energies where problems need to be solved. Both science and art need creativity to make them function."

As a monument to his belief, Mr. Kujundzic plans to direct the construction of a pyramid in British Columbia as a symbol of 20th century civilization. The hand-built structure will be a monument to art, he says, while at the top will be a monument to science — a solar energy experimental site.

Why British Columbia?

"Because it's the most unpolluted area in the world," says the staunch environmentalist, who rejoices at the cleanliness of solar energy. "It will allow people to visit an area that is pollution-free, and actually live there and experience something many people have never known. Once they discover it, we hope it will raise the consciousnesses so that they will want to clean up the environment and keep it clean."

Funding sources

For further information, call 865-1372

(251-1) The Office of Education has released a "Notice of Intent" to issue major amendments of existing regulations as well as new regulations governing several sections of the Higher Education Act of 1965 as amended by **Education Amendments of 1976** (PL 94-482). Included in the new amendments are sections covering research library resources, teacher centers, training ME personnel, adult education, career education, guidance and counseling, and teacher corps. (Ref. #1FR51458-9, 11/22/76)

(251-2) The OHEW Health Resources Administration has announced e Jan. 3 deadline for **Health Manpower Education Initiative Awards** to educational entities. (Ref. #1FR51657-58, 11/23/76)

(251-3) The Office of Education has issued application guidelines for grants under the **Environmental Education Program** and has set a Feb. 23 deadline. Programs supported include research, demonstration and pilot projects of public education based in problems of environmental quality and ecological balance. (Ref. ibid) ICFDA 13.522)

(251-4) Grants for periods of up to 24 months are awarded by NSF for **Doctoral Dissertation Research**. Fields supported include systematic biology, ecology, ethology, science policy, neurosciences, psychological sciences, anthropology, linguistics, atmospheric sciences, earth sciences, and ocean sciences. Four months rs required for processing an application. (Ref. NSF 76-33 Guide to Programs/Addendum)

FELLOWSHIPS (FO76-29)

(For further information inquire at 317 Kern, 865-2514)

(251-5) Ralston Purina Company — in animal, dairy, and poultry science, Jan. 17.

(251-6) AFL/CIO — labor research internship program, March 15.

WPSX highlights

(Continued from page one)

self with six suspects, each of whom has a good motiva for murder. "Five Red Herrings" may be be seen Thursdays at 8 p.m., beginning Dec. 23.

Log Raft '76, a Bicentennial event which recreated a log raft trip down the West Branch of the Susquehanna River, is the subject of "Log Raft '76," a 90-minute, a half-hour WPSX-TV special, at 7.30 p.m. on Monday, Dec. 20. The program follows the design and construction of the craft.

Two holiday specials are featured on Channel 3 Monday, Dec. 20. At 8 p.m., Richard Kiley hosts **A Christmas Celebration**, a half-hour program that traces the traditions and customs of Christmas through music and historical narrative. Recorded at New York City's Cloisler's Museum, the program features music by the Hofstra University Collegium Musicum and the Renaissance Street Trio. Al 8:30 p.m., **Hanukkah** presents Edward Asner in a half-hour look at the story and significance of Hanukkah.

Christmas cards on hand

A number of University Christmas cards showing Martin Luther and the first Christmas tree are available from the Department of Publications, Room 215 Wagner Bldg., 865-1327. The cards, with envelopes, cost 14 cents apiece and may be had either with or without a printed "Seasons Greetings. The Pennsylvania State University" message.

Staff vacancies

Staff vacancies in this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in the INTERCOM may be found in the Penn State **REPORTER**. All University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network Line 475-1387). Applications for these staff vacancies will be received until 5 p.m., **Dec. 28, 1976. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

MANAGER OF EDUCATIONAL RESOURCES — Hershey

Responsible to the Associate Provost/Dean for Health Affairs for organization and management of the Department of Educational Resources. Responsibilities will include graphics arts and photography production and audio-visual aids support to educational and service departments of the Medical Center. A master's degree in medical illustration or equivalent, plus two to four years of directly related experience is required.

SUPERVISOR, MAINTENANCE AND OPERATIONS — Ogontz

Responsible to the Business Manager for the operation and maintenance of the Ogontz Campus Physical Plant, including planning, supervision, purchasing budget control, employment, training, performance review, recommendations for alterations and improvements, and liaison with contractors engaged in new construction and alterations. Bachelor's degree in mechanical or electrical engineering, or equivalent outside study or training. Over two years and up to and including four years of directly related experience in power or heating plant operation, mechanical work, or construction, including supervision of employees.

ELECTRONIC DESIGNER, COLLEGE OF ENGINEERING — University Park

Responds to the Staff Systems Designer for the design and component selection of electronic apparatus, for establishing calibration facilities, and for advice and consultation with electronic users. Requires an associate's degree or technical school degree in electrical/electronic technology plus three-four years of directly related experience in electronic design and layout, performance testing, instrumentation, and calibration. Federal Communications Commission first class radio-telephone license or ability to qualify for same period.

In addition to the above vacancies, there are positions in certain units which, because of the large number of such positions, frequently are still available after employees in the work unit have been considered. They are listed below and will not be listed on an individual vacancy basis. Application for such positions may be made at any time, and you are welcome to make your interests known now to the Employment Division for future consideration when such vacancies occur. These positions are:

STAFF NURSE — Hershey
LICENSED PRACTICAL NURSE — Hershey
MEDICAL TECHNICIAN — Hershey
CLINICAL LABORATORY ASSISTANTS — Hershey
MEDICAL LABORATORY TECHNICIANS — Hershey
JR. RESEARCH TECHNICIANS — Hershey
SR. RESEARCH TECHNICIANS — Hershey
RESEARCH TECHNICIANS — Hershey
RADIOLOGIC TECHNOLOGISTS — Hershey
ASSISTANT FOOD SUPERVISOR — Housing & Food Services
NUTRITION AIDE — Agriculture Extension
RESIDENCE HALL COORDINATOR — Student Affairs

Nutrition conference tapes available

The New York Academy of Sciences held a Bicentennial Conference on Food and Nutrition in Health and Disease at Philadelphia, Dec. 1-3. Papers by such scientists as Walter Mertz, Gilbert Leveille, William Krehl, Jean Mayer, Max Milner and Magnus Pyke were presented under the headings of global problems in food production, global problems in food distribution and food policy, technology in global food problems, problems and solutions in developing countries, nutrition of the American people, clinical nutritional problems in health and disease, and contemporary American nutrition.

The conference reaffirmed the need for a multi-disciplinary approach to the solution of food and nutrition problems through the establishment of a National Nutrition Policy. It was also emphasized that the United States will continue to help developing countries meet present and future food needs. An overview of current knowledge linking diet and health status was presented and means were suggested to improve health status through dietary intervention. Special emphasis was placed on the role of the food industry in developing countries.

The subject of talks ranged from the factors limiting crop production in the tropics and food distribution to those considering the type of diet which should be promoted in order to reduce the high incidence in the United States of such diseases as cancer, cardiovascular disease, diabetes, high blood pressure, and obesity. Tape recordings of these talks may be heard at the Nutrition Information and Resource Center, Beecher House (PSU Main Bldg. 85) from 8 a.m. to 5 p.m. weekdays. For more information, call 865-6324.

Art school classes make fine Christmas gifts

Parents and friends can give teenagers and children an attractive gift certificate for the Saturday Morning Art School at the University by registering now for the winter term classes. By contacting Holly Ping, secretary, at 865-5601, a special holiday gift certificate that is complete with the young artist's name and the donor will be mailed direct to any specified address in time for holiday giving. Each gift certificate specifies the art class that the youth will receive, starting Jan. 8 and continuing each Saturday morning until Feb. 19.

Thirteen courses are offered in this winter's program, which is under direction of Dr. Robert W. Ott, Cathy Brooks and Chestar Perkowski, of the Division of Art and Music Education.

PENN STATE intercom

Volume 5, Number 62 January 6, 1977

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Bartoo, Ludwig in new jobs; Post Gazette hails Eddy

Dr. Ernest H. Ludwig, associate dean of the Graduate School since 1965, has been named dean of the Graduate School for the period Jan. 1 to Aug. 1, 1977.

He will fill the position while Dr. James B. Bartoo, dean of the Graduate School, serves as interim provost.

The University's new provost, Dr. Edward D. Eddy, president of Chatham College, will assume his post on Aug. 1.

Commenting on his appointment in a Dec. 13 editorial, "No Narrow Schoolmaster," the Pittsburgh Post Gazette said:

"In a time of drastically changing attitudes on the part of women about their role in life and the schooling needed to prepare for it, Dr. Edward D Eddy Jr. as president of Chatham College was a pathfinder for changes in women's higher education.

"Now he departs from Pittsburgh after 17 years to become provost of Penn State University. He will leave behind a solid record not only at Chatham but in such activities as the Pittsburgh Symphony Society board, the board of trustees at WQED and as a sparkplug for the Pittsburgh Council on Higher Education, which involves all the institutions of higher learning here.

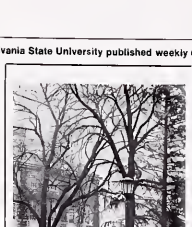
"Ted' Eddy kept Chetham ahead of the pack by making it responsive to what women, and particularly young women, wanted to prepare themselves in a world in which wider choices than once seemed possible. Chatham has managed to create career-oriented courses without watering down its traditional liberal arts emphasis

"In short, Dr. Eddy has been no narrow schoolmaster, but an innovative, imaginative educator. We wish him well at Penn State."

Dr. Ludwig's appointment was announced by President Oswald, who said "he was very pleased that Dean Ludwig had agreed to accept the appointment. As many faculty members will recall, Dr. Ludwig served as acting dean effectively during the short-term illness of Dean Bartoo in 1971-72. I am most grateful to him for again accepting the responsibilities of the deanship during this transition period."

Dr. Ludwig also holds the title of professor of microbiology. As dean of the Graduate School, he will serve as one of three senior academic administrators on the University Promotion and Tenure Review Committee. Dr. Ludwig will also serve as a member of the President's Staff and the Council of Academic Deans.

Before joining the Penn State faculty in 1956, Dr. Ludwig served on the faculty of West Virginia University's School of Medicine and in the Graduate School of Public Health of the University of Pittsburgh. A Fellow of the American Academy of Microbiology, Dr. Ludwig served as a member of the national council of the American Society for Microbiology for five years and was president of the Society's Allegheny branch in 1971. His B.A., M.S. and Ph.D. were granted by the University of Pennsylvania.



Wonderland or wasteland the going is slick

January at Penn State is a "Winter Wonderland" or "Wasteland," depending on your point of view, but it is usually a time when snow and ice make walking treacherous.

The coordinator of the University's snow removal program, David C. Rice, manager of landscape operations, suggests that faculty and staff members can help by reporting potential trouble spots to the Service Desk of the Office of the Physical Plant by calling 865-4731.

A call to the Service Desk will usually produce quick results, according to Mr. Rice, because the desk is in constant radio contact with the maintenance crews who work around the clock to keep roads and sidewalks clear. Areas that cannot be plowed or shoveled are treated with a non-skid material or e melting agent.

Mr. Rice works with a snow removal crew of approximately 80 workers, but he can call in as many as 150 if conditions warrant. He says top priority after an overnight snowfall is given to clearing the roads from the Food Service Bldg. to the dining halls, and to the sidewalks near the residence halls. Then the crew works in four teams, each of which covers a quarter of the campus, concentrating first on the most heavily used buildings. Ramps providing access for handicapped persons are also high on the priority list.

PLRB decision in February

University, PSUPA, and AAUP representatives agreed last month to recommend to the Pennsylvania Labor Relations Board that a faculty bargaining representation election be conducted either March 30-31 or April 5-6.

On Dec. 15, PLRB hearing examiner Sidney Lawrence conducted the final day of unit determination hearings which began in January 1976. No testimony was taken in the brief, two-hour session, and the time was devoted primarily to clearing up several administrative details.

At the previous month's hearings, Mr. Lawrence had requested that the respective parties to the hearings be prepared to discuss the timing of the upcoming election. Issues considered were the University's academic calendar and the time needed by Mr. Lawrence and the PLRB to recommend and make a decision respectively on the status of the College of Medicine. The department head and professional staff issues were resolved during the November hearings when PSUPA amended its petition to exclude these personnel. All parties agreed that the last week in March or the first week in April would be appropriate periods to aim for holding an election.

Legal briefs from the University, PSUPA and the AAUP on the College of Medicine issue are to be filed with the PLRB on Jan. 7. Mr. Lawrence expects to make his recommendation to the Board no later than the end or January, with the Board's Decision and Order for an election coming by mid-February.

Depending on the exact timing of the Board's decision, a four- to six-week election campaign will follow prior to the election in late March or early April.

Protection review secretary named

Dr. Roger L. Kertin, who holds faculty appointments in the College of Education and the Applied Research Laboratory, has been named executive secretary to the University committees which review and approve activities involving use of human subjects.

Dr. Kerlin, who was appointed to the half-time position by the Vice President for Research and Graduate Studies, will assist faculty and student investigators, as well as review committee members, to expedite necessary reviews and work to achieve a high level of protection for human subjects. He will also be responsible for developing, recommending and implementing University policy for protection of human subjects.

All activities which call for the use of people as subjects in University research, continuing education or instructional projects, whether sponsored or unsponsored, must be reviewed by either the Biomedical or the Behavioral and Social Sciences Review Committees. These committees are comprised of senior faculty and staff, plus non-University members, and are chaired by Dr. E. R. Buskirk (Biomedicel Committee) and Drs. Jean O. Britton, Helen I. Snyder, Dale B. Harris, Paul H. Rigby and R. Richard Ritti (currently co-chairing the Behavioral and Social Science Committee).

"Ethical principles and the regulations of such agencies as the U.S. Department of Health, Education, and Welfare dictate that the University must be institutionally responsible for safeguarding the rights and welfare of people who serve as subjects. Accordingly we have adopted policies and procedures to ensure their safety,

(Continued on page four)

News in brief

Long is Hearing Officer

Dr. Thomas E. Long, associate professor of vocational education, has been appointed University Hearing Officer in connection with the requirements of the Buckley Amendment. If informal procedures fail to satisfactorily resolve issues related to entries on a student's education records, the University is required to provide, on request by the student, an opportunity for a hearing to challenge the content of that student's record. The law requires that a hearing officer receive evidence in connection with a specific request and present a written decision within a reasonable amount of time.

Recycling project to begin

A campus recycling project will start Jan. 7 under the joint efforts of Eco-Action and the Salvation Army. Newspapers will be collected daily at three sites on campus: the southwest corner of Parking Lot 80, in the South Centre Halls near Lyons Hall, and beside McAllister Bldg. Papers will be taken to Salvation Army headquarters in Altoona to be bailed

The project was started in September by David Corey, a political science major, who was joined by nine students as part of a group participation project for Political Science 1. It will operate on a trial basis, and at the end of the term will be evaluated by representatives of Eco-Action, the Salvation Army and the University.

HUB Craft Centre open

A Craft Centre, sponsored by the Office of Student Activities, has been opened in the HUB for students, faculty, staff and their spouses.

The centre will be available to members who wish to use its facilities to produce hand-built and wheel-thrown pottery, weaving, stained glass, batik, tye dyeing, macrame, bead jewelry, stitchery and leather craft.

Open hours will be scheduled Monday through Friday, 1 to 5 p.m.; Friday, 7 to 10 p.m.; Saturday, 10 to 6 p.m.; and Sunday, 1 to 5 p.m.

Registration is being held today (Thursday) and tomorrow at the centre in Room 312 HUB from 1 to 5 p.m. and 7 to 10 p.m. for five beginning crafts courses: Loom Weaving, Macrame, Wheel-Thrown Pottery, Batik and Candle-Making.

All classes will be taught from 7:30 to 9:30 p.m. and enrollments are limited.

Membership fees in the Craft Centre for the remaining weeks of the term are $7 per person for faculty, staff and spouses and $4 for students. A family membership (eligibility limited to dependent children over 17) is $10. Further information may be obtained by calling 865-2563.

USG Flea Market

The USG Senate is sponsoring a Flea Market to be held in the HUB Ballroom, Tuesday, Jan 11, through Thursday, Jan. 13, from 9:30 a.m. till 4.30 p.m. Registration of items to be sold at the Flea Market will be held on Monday, Dec. 13, through Friday, Dec. 17, and Monday, Jan. 3, through Friday, Jan. 7, in Room 203A HUB, from 11 a.m. till 4 p.m. Anyone wishing to sell items at the Flea Market must register their items during these time periods. A valid University ID is required for registration.

The Flea Market is open only to students, faculty, and University staff.

The Flea Market will sell items for the owners in return for a 15 percent commission charge to defray costs Incurred by USG.

Retirement report on hand

Copies of the annual report of the State Employes' Retirement System as of Dec. 31, 1975, are now available to faculty and staff members. Persons desiring a copy may request it by mail or telephone from the Employee Benefits Division, Room 133 Willard Bldg , 865-1473.

King Memorial Dinner

The author of a recent book on the Rev. Dr. Martin Luther King Jr. will be the guest speaker at a Martin Luther King Jr. Memorial Dinner at 6 p.m. on Saturday, Jan. 15, in the State College Holiday Inn.

The memorial dinner, which commemorates the birthday of the slain civil rights leader, is sponsored by the Forum on Black Allairs at the University.

(Continued on page four)

Research proposals asked

Faculty from all University campuses are invited to submit proposals to the Penn State 1977-1978 Research Initiation Grants Program, established to support research and other creative work in the sciences, technology, social sciences, and arts and humanities.

The 12-months awards will range from $2000 to $5000 and will be announced following a preliminary screening by the colleges and final recommendations from a subcommittee of the Administrative Committee on Research (ACOR).

Call your ACOR dean or Commonwealth Campus director for more information. The proposal deadline is Feb. 4, 1977; awards will be announced by March 3.

PENN STATE COLLECTION

Faculty notes

Dr. Arnulf Muen, professor of mineral sciences and associate dean for research in the College of Earth and Mineral Sciences, spent four weeks in Japan as the guest of the Japan Society for the Promotion of Science, presenting lectures on various aspects of high temperature research. He spoke at Tokyo Institute of Technology, the University of Tokyo, and et Osake, Kyoto, and Tohoku Universities and the National Institute for Research on Inorganic Materials. He also spoke at the three largest steel companies in Japan — Nippon Steel, Nippon Kokan Steel, and Keweseki Steel.

Dr. Herold E. Dickson, professor emeritus of art history, is the author of a chapter, "'Th. J.' Art Collector," in a book, "Jefferson and the Arts: An Extended View," published by the National Gallery of Art in Washington, D.C. The volume is an outgrowth of the museum's exhibit last summer, "The Eye of Thomas Jefferson." Dr. Dickson has assembled all the data available on the paintings, sculpture and prints which Jefferson, an ardent collector, acquired. He also describes how they were hung at Monticello.

Dr. Robert B. Eckhardt, assistent professor of anthropology, has published an article in the 1976 edition of the Journal of Human Evolution entitled, "Observed and Expected Veriation in Hominid Evolution."

Dr. Philip S. Skell, Evan Pugh Professor of Chemistry, is co-author of a chapter, "Reactions of Transition Metal Atoms with Organic Substrates" in the book, "New Synthetic Methods, Vol. 3." The book is the result of a symposium on Metal Atoms in Chemical Synthesis which was held in Darmstadt, Germany, in 1974. The other author, Michael McGlinchey, now of Mc-Masters University, was a post-doctoral student of Dr. Skell's.

Prof. Warren W. Miller, whose photograph and brief biography appeared in the Dec. 16 issue of INTERCOM, hes neither retired nor passed on. He received a 25-year chair from the University, and INTERCDM is sorry that it assumed psychic powers on the part of its readership.

"Greg and Hemmy: Writing for the Toronto Star in 1920," an article by **Dr. Richard E. Winslow,** assistant professor of history at Behrend College, has been accepted for publication in the 1977 "Fitzgerald-Hemingway Annual." For fresh information about Hemingway's early career as a cub reporter, Dr. Winslow interviewed Gregory Clark, now 84 years old, who was Hemingway's friend and features editor of the Star when the writer worked there.

Dr. Jo C. Searles, assistant professor of English at Altoona Campus, made a lecture tour in Brazil recently for the United States Information Service. She spoke at universities in Manaus, Belem and Recife on the inter-relationships between contemporary American literature and popular culture. The "Correio Brasiliense" Literary Supplement featured an illustrated edition of her poetry in English and Portuguese.

Extraterrestrial studies were described in three papers presented by **Dr. Frank Dachille,** professor of geochemistry, at the recent annual meeting of the Meteoritical Society held at Lehigh University. The papers were entitled "Frequency of the Formation of Large Terrestrial Impact Craters"; "The Color Bands and Red Spots of Jupiter" (co-authored with Dr. Floyd Miller, a former Penn State graduate student); and "Angular Momenta of Sun and Planets."

Dr. John W. White, professor of floriculture, presented two research papers at the First International Symposium for Floriculture and Greenhouses held recently in Mexico City. At the invitation of the Mexican government, Dr. White described several years of experiments with cernations. The first paper discussed cultivation and propagation of carnations and the second, diseases and physiological problems of carnations.

Saverel feculty from the College of Earth and Mineral Sciences participeted in a conference on Coel, Energy for Independence, sponsored by the National Coal Association and Bituminous Coal Research, Inc. et Louisville, Ky. **Robert L. Frantz,** head of the Depertment of Mineral Engineering, served on the conference's program committee, and **Dr. Harold L. Lovell,** associate professor of mining engineering, presided et e pre-conference seminer on Mine Dreinage Sempling and Analytical Procedures. **Dr. R. V. Ramani,** essociate professor of mining engineering, co-authored two papers, "Safety Considerations with Deseis In Underground Coal Mines" and "A Review of Computer-Driented Models of Coal Preperation Plents." "Recent Advences in Coel Flotstion" wes the title of e paper co-authored by **Dr. F. F. Aplan,** professor of metallurgy and mineral processing and chairman of the Minerel Processing Section; and "Natural Beneficiation of Acid Mine Drainage by Interection of Streem Water with Streem Sediment" wes co-authored by **Dr. A. W. Rose,** professor of geochemistry.

Dr. Walter H. Walters, dean of the College of Arts and Architecture, and Dr. Samuel B. Gould, SUNY's chancellor emeritus, shared the opening address at the 20th annuel Conference of the Association of College, University and Community Arts Administrators on Dec. 19 in New York City. They spoke on "Developing Partnerships: The Arts, Higher Education and the Community."

Dr. Peuf Schweitzer, professor emeritus of engineering research, has been honored by the Society of Automotive Engineers (SAE) through election to SAE's new Fellow grade of membership. He wes cited for his comprehensive research contributions in the field of internel combustion engines, for his tenacity in seeking out the "truths" in scientific development, and for his distinguished career as an educator.

"Church and State in Spain: A Study of Moderate Liberal Politics in 1845" is the title of an article published by **Dr. Nancy A. Rosenblatt,** lecturer in history, in the October issue of "The Catholic Historical Review."

Richard Quarton has been promoted to assistant professor of psychology at Behrend College effective Dec. 1. He received his B.S. at the University of Iowa and his M.S. and Ph.D. at Penn State.

Dr. Roy W. Allison, associate professor of education, and **Dr. Duane Smith,** associate dean for academic affairs at Capitol Campus, were installed as president and secretary, respectively, of the Pennsylvania Science Teachers Association. The installation took place at the 1976 State Convention on Dec. 2

Donald P. Wharton, assistant professor of English at Altoona, is author of an article, "The Poet as Protester: Richard Steere's 1695 Defense of Liberty of Conscience," published in Seventeenth-Century News.

Dr. Alfonso Gomez-Lobo, post-doctoral fellow of the National Endowment for the Humanities Interdisciplinary Progrem, read e paper at the annual meeting of the American Philosophical Association last month in Boston on "Are Hypotheses In the 'Posterior Analytics' Assumptions of Existence?"

Dr. Thomas Seebohm, professor of philosophy, was a Duquesne University Guest Lecturer in Pittsburgh last month. He presented a series ot four lectures on the topic "Phenomenology and Hermeneutics."

Dr. Robert E. Andreyka, professor and associate head of the Division of Occupational and Vocational Studies in the College of Education, has been appointed to a five-year term as University director of vocational teacher education, effective July 1, 1977. The position will rotate every five years between the head of the Division of Occupationel and Vocational Studies and the head of the Department of Agricultural Education.

Dr. Barton W. Browning, associate professor of German, served as the Penn State delegate to Phi Beta Kappa's 200th anniversary celebration in Williamsburg, Va. Dr. Browning is currently president of the University's Phi Beta Kappa chapter.

Appointments

Edward Russell es assisant professor of psychiatry at Hershey. B.A., Haverford College; M.D., Hershey. Former chief resident in psychiatry at Hershey.

Merlon L. Hammond as assistant professor of nutrition. B.S., M.S., Ohio State U. Former part-time instructor at Penn State.

Bookshelf

Dr. Cerl R. Hausman, professor end head of the Department of Philosophy, is co-editor of e new book, "The Creetivity Question," published by Duke University Press. An article by Dr. Hausman, entitled "Creativity and Rationality," appears in the book which constitutes an historical survey of the nature of creetivity by distinguished authors in the fields of psychiatry, philosophy, psychoanalysis and literature.

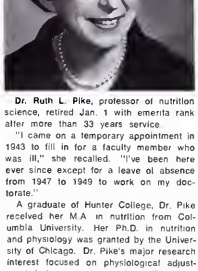
Dr. Robert E. Snetsinger, professor of entomology, Is the author of a book, "Diary of a Mad Planner," published by Winchester Press. Drawing on his experiences as a long-time member of both regional and local planning commissions, Dr. Snetsinger writes in a Preface:

"It Is the purpose of this diery to share personal concerns for the quality of our living space and to encourage good men and women to become involved in planning and local government."

In his view, planning commisstons stand as the last defense against developers, but these commissions are not nearly as effective as they need to be. The book Is a ptea for more human considerations in planning, for neighborliness and a more rooted society.

"The Urban Costs ol Climate Modification" is the title of a new book edited by **Dr. Terry A. Ferrar,** director of the Center for the Study of Environmental Policy and associate professor of economics. The book is e volume in the Wiley-Interscience Environmental Science and Technology Series, and the original research papers it contains have already contributed to the public debate on such issues as the effect of aerosel flurocarbons and the Concorde on climate. Penn State contributors to the volume are **Dr. Jon P. Nelson,** associate professor of economics, and **Dr. Hans A. Panofsky,** Evan Pugh Professor of Atmospheric Sciences.

Retirements



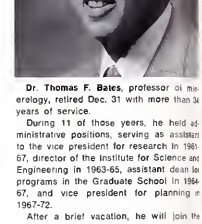
Dr. Ruth L. Pike, professor of nutrition science, retired Jan. 1 with emerita rank after more than 33 years service.

"I came on a temporary appointment in 1943 to fill in for a faculty member who was ill," she recalled. "I've been here ever since except for a leave ol absence from 1947 to 1949 to work on my doctorate."

A graduate of Hunter College, Dr. Pike received her M.A in nutrition from Columbia University. Her Ph.D. in nutrition and physiology was granted by the University of Chicago. Dr. Pike's major research interest focused on physiological adjustment during pregnancy and specifically the effect of low sodium diets. Dr. Pike is author, with a former student, Dr. Myrtie L. Brown, of the textbook, "Nutrition: An Integrated Approach." First published in 1967, this work changed the teaching of nutrition by integrating biochemistry, physiology and nutrition at the level of the cell. Winner of the 1967 Borden Award for fundamental research in the field of nutrition and experimental foods, she was the Marie Curie lecturer at Penn State in 1968 and the Anna de Pfanter Bowen Memorial Lecturer for the Pennsylvania Dietetic Association in 1971.

At the University, Dr. Pike served as a member of the University Faculty Senate for terms totaling more then 20 years. She also was treasurer, vice president and president of the Penn State Chapter of Sigme Xi, scientific research society of North America.

Following her retirement, she will continue to make her home in State College. She plans to do some travelling and will participate in a Visiting Scholars Program at California State University at Sacramento.



Dr. Thomas F. Bates, professor of mineralogy, retired Dec. 31 with more than 34 years of service.

During 11 of those years, he held administrative positions, serving as assistant to the vice president for research in 1961-67, director of the Institute for Science and Engineering in 1963-65, assistant dean for programs in the Graduate School in 1964-67, and vice president for planning in 1967-72.

After a brief vacation, he will join the U.S. Geological Survey, where he will assist in the administration of the Office of Land Information and Analysis. In April he will move to Denver, Colo., to be responsible for activities of the office in the western United States.

Dr. Bates is currently chairman of the Mineral Resources Committee of the National Association of State Universities and Land-Grant Colleges and a member of its Committee on the Environment and Energy. He served as the science adviser of the U.S. Department of the Interior in 1965-67. In 1970-72, he was a member of the executive committee of the National Center for Higher Education Management Systems, and in 1975-76, was a member of the information systems and data task force of the Governor's Energy Council of Pennsylvania. He is a fellow of both the Geological Society of America and the American Mineralogicel Society.

Dr. Bates has been involved in the generation of the concept, development, and implementation of the "Pennsylvania Coal Model" research project, a joint effort of the University's Departments of Geography and Mineral Engineering.

Obituaries

Dr. Chester Distad Dahle, who retired in 1955 as professor emeritus of dairy manufacturing, died Dec. 14 at the age of 85. He had begun his career at Penn State in 1924.

In 1947, Dr. Dahle received the Borden Award in Dairy Manufacturing for outstanding research. He did the first work in the field of high temperature, short-time pasteurization of ice cream mixes and invented the Duo-Visco Homogenizer Valve, widely used in the homogenization of ice cream mixes. Dr. Dahle was the author of two books and 115 technical papers, articles and other publications. He held B.A., M.S. and Ph.D. degrees from the University of Minnesota.

Ernest Axman, who retired as an associate professor of electrical engineering in 1959 after 36 years of service, died Nov. 29 at the age of 78. A specialist in the field ol electrical measurements, Prof. Axman received his B.S. degree from the University of Washington in 1921 and worked for Westinghouse in Pittsburgh for two years before coming to Penn State

University Park Calendar

January 6—16

Items to be included in this calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special events

Friday, Jan. 7
Sports: Basketball, Lady Lion Invitational, Rec. Bldg., Ohio State vs. S. Connecticut, 7 p.m.; Penn State vs. Texas (Austin), 9 p.m.
GSA Commonspace Coffeehouse, 8 p.m., Room 102 Kern.
HUB/WHER Spotlight Disco, 9 p.m., HUB ballroom.

Saturday, Jan. 8
Sports: Basketball, Lady Lion Invitational, Rec. Bldg., third place game, 7 p.m.; championship game, 9 p.m. Men's fencing, vs. Johns Hopkins, 1 p.m., vs. Pennsylvania, 5 p.m. Hockey, vs. Junior Flyers, 7:30 p.m.
OTIS and Rec Parks Casino Night, 7:30 p.m., HUB ballroom.
Penn State Symphony Orchestra, 8:30 p.m., University Auditorium.

Sunday, Jan. 9
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Carl G. Vaught, philosophy.
Black Christian Fellowship worship service, 11:15 a.m., Multi-Purpose Room, Eisenhower Chapel. Elder Harold McKenzie.
PSOC Hiking Division, exploration on Centre Hall Mountain, 9 a.m., HUB parking lot.
Reception, Area II Scholastic Art Exhibit, 1-5 p.m., Kern.
Reception, Student Sculpture Exhibit, 3-5 p.m., Zoller Gallery.

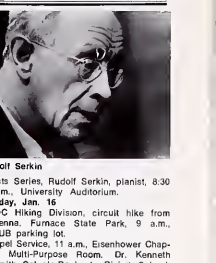
Tuesday, Jan. 11
USG Flea Market, all day, HUB ballroom.
Comp Lit Luncheon, 12:15 p.m., Faculty Club. Wolfgang Dressler on "Discourse Analysis."

Wednesday, Jan. 12
USG Flea Market, all day, HUB ballroom.
Sports: Men's basketball, vs. Syracuse, 7:30 p.m.
Overda Page, flute, 8:30 p.m., Music Bldg. recital hall.

Thursday, Jan. 13
USG Flea Market, all day, HUB ballroom.
Sports: Wrestling, vs. Maryland, 7:30 p.m.
GSA Bridge Workshop, 8 p.m., Room 102 Kern.

Friday, Jan. 14
USG Flea Market, all day, HUB ballroom.
HUB International Candlelight Dinner, Terrace Room, 4:45-7 p.m.
Folk, Square, and Ballroom Dance Roundup, 7:30 p.m., Room 133 White.
Sports: Men's basketball, vs. George Washington, 7:30 p.m.
Women in Communications, Inc., 7:30 p.m., HUB ballroom. Fran Lee, consumer advocate.
GSA Commonspace Coffeehouse, 8 p.m., Room 102 Kern.
Steven Smith, piano, 8:30 p.m., Music Bldg. recital hall.
HUB/WHER Spotlight Disco, 9 p.m., HUB ballroom.

Saturday, Jan. 15
HUB International Candlelight Dinner, Terrace Room, 4:45-7 p.m.
Faculty Women's Club Mid-Winter Brunch, 9:30 a.m.-noon, Nittany Lion Inn.
Women in Communications, Inc., 1:30 p.m., HUB ballroom. Fran Lee, consumer advocate.
Sports: Women's basketball, vs. Cheyney, 2 p.m. Men's and women's gymnastics, vs. Southern Illinois, 7:30 p.m. Men's fencing, vs. Jersey City State, 2 p.m. Men's rifle, vs. Bucknell, 2 p.m. Wrestling, vs. West Chester, 2 p.m.



Rudolf Serkin
Artists Series, Rudolf Serkin, pianist, 8:30 p.m., University Auditorium.

Sunday, Jan. 16
PSOC Hiking Division, circuit hike from Penna. Furnace State Park, 9 a.m., HUB parking lot.
Chapel Service, 11 a.m., Eisenhower Chapel Multi-Purpose Room. Dr. Kenneth Smith, Colgate Rochester Divinity School.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel, Martin Luther King Memorial Service.

Seminars

Thursday, Jan. 6
Chemistry, 12:45 p.m., Room 333 Whitmore. Ray P. W. Scott, Hoffman-LaRoche, Inc., on "Developments in the Theory of Liquid Chromatography."
Physics, 3:50 p.m., Room 117 Osmond. Louis Testardi, Bell Labs, Murrey Hill, on "Defects, Instabilities, and High Temperature Superconductivity."
Ceramic Science, 11 a.m., Room 301 Mineral Industries, Lawrence Winger, graduate student, on "Transformational Superplasticity of Oxides."
Meteorology, 4 p.m., Room 26 Mineral Science. Dr. Roger H. Shaw, agronomy, Purdue University, on "Momentum Exchange in Environment of Vegetation."
Mathematics, 4 p.m., Room 102 McAllister. Edward Effros, University of Pennsylvania, on "The Foundations of Non-Abelian Algebraic Topology."
Acoustics, 4 p.m., Room 71 Willard. Gerald C. Lauchle, ARL, on "Noise Generated by Turbulent Boundary Layer Flow."

Monday, Jan. 10
Computation Center, 7:30 p.m., Room 106 Osmond. JCL (1).

Tuesday, Jan. 11
Plant Pathology, 9:45 a.m., Room 213 Buckhout. Barry Noll on "Comparisons of the Vector Relationships of Tungro and Transitory Yellowing Viruses of Rice."
Environmental Design and Planning, 9:35 a.m., Room 318 Sackett. Daniel Jones, landscape architecture, on "Porto Santo Master Plan."
Surface Science, 11:10 a.m., Room 339 Davey. A. D. Novaco, Lafayette College & Brookhaven Lab.
Food Science, 11:10 a.m., Room 201 Borland. Louise Strang on "Avocados."
Analytical Chemistry, 1 p.m., Room 333 Whitmore. Mark Yuan on "Chemiluminescense in Analytical Chemistry."
History, 2 p.m., Room 101 Kern. Richard Nagle on "The Steelworkers, Collective Bargaining and the Federal Government, 1945-1960."
Water Pollution Control, 2 p.m., Room 124 Sackett. Mike Chemiak, Chemical Waste Management, Calumet City, Ill., on "Treatment and Disposal of Hazardous Wastes."
Inorganic Chemistry, 8 p.m., Room 333 Whitmore. Tritaporn Choosri on "Some Aspects of the Chemistry of Metalloporphrins."

Wednesday, Jan. 12
Fuel Science, 4 p.m., Room 301 Mineral Industries. Dr. Malmoud Abdel-Baset on "Correlation of Coal Characteristics and Liquefaction Behavior."

Thursday, Jan. 13
Chemistry, 12:45 p.m., Room 333 Whitmore. Charles U. Pittman Jr., University of Alabama, on "Catalysis by Polymer Supported Homogeneous Catalysts."
Physics, 3:50 p.m., Room 117 Osmond. E. Gerjuoy, University of Pittsburgh, on "The Few-Body Problem in Atomic Physics."
Microbiology & Cell Biology, 4 p.m., Room S2 Frear. Terry Platt, Yale University, on "Regulatory Regions in the Tryptophan Operon of E. coli."
Statistics, 4 p.m., Room 217 Willard. David Hoaglin, Harvard University, on "The Hat Matrix in Regression and ANOVA."
Ecology, 4 p.m., Hub assembly room. Simon Levin, Cornell University, on "Populations in Heterogeneous Environments."
Computation Center, 7:30 p.m., Room 106 Osmond. JCL (2).

Exhibits

Museum of Art: Selections from the Permanent Collection, Gallery B. From Gothic to Baroque, Gallery C. Contemporary Figurative Paintings from the Permanent Collection, Gallery A.
Zoller Gallery: Student Sculpture Exhibit, opening Jan. 8.
Kern Bldg. Gallery. Area II Scholastic Art Exhibit.
Chambers Gallery: Art Education Graduate Students Exhibition — mixed media.
New Kensington Campus Gallery: Photographs by John L. Alexandrowicz.

Lecture

Thursday, Jan. 6
Linguistics Program Lecture, 7:30 p.m., Room 101 Kern. Wolfgang Dressler, University of Vienna, on "Language Change."

Films

Monday, Jan. 10
France Cinema, "Murmur of the Heart," 7 and 9 p.m., Room 112 Kern.

Tuesday, Jan. 11
Artists Series Film Festival, Hitchcock, "The 39 Steps," 8 p.m., University Auditorium.

Wednesday, Jan. 12
GSA Commonspace Theatre, 7:30 and 9:30 p.m., Room 112 Kern.

Friday, Jan. 14
International Council Film, "Harakiri," 8 p.m., Room 112 Kern.

University schedule

Saturday, Jan. 8
Last date for March grad. to deliver doctoral thesis to Committee.

Saturday, Jan. 15
Last date for final oral doctoral exams for March grads.

Arts roundup

Potters' show in New York

The exhibit of 24 British potters, which was shown this fall at the Museum of Art, is now on exhibit at Graham Gallery in New York City through Jan. 29. From there it will move to the Danforth Museum in Framingham, Mass., from Feb. 9 to April 3 and then to the Everson Museum in Syracuse, N.Y., from April 22 to May 30.

The exhibit was selected and organized by museum director William Hull, evolving from four visits which he made to England.

Serkin ticket sale on Jan. 11

A very limited number of tickets for the Jan. 15 concert by Rudolf Serkin will go on sale Tuesday, Jan. 11, at 9 a.m. at the Artists Series HUB Booth.

The world famous pianist will present an all-Beethoven program at 8:30 p.m. in University Auditorium as part of the Music Series.

Born on March 28, 1903, in Eger, Bohemia (now Czechoslovakia), Mr. Serkin made his debut at age 12 with the Vienna Symphony Orchestra and at 17 began concertizing with a Berlin debut under the aegis of the violinist Adolf Busch. His formal U.S. debut was made in 1936 in New York with Toscanini and the New York Philharmonic. Mr. Serkin and his family made the U.S. their permanent home in 1939. That same year he joined the staff of the Curtis Institute of Music, of which he is now director. A recipient of many awards and honorary degrees, he received the Presidentiel Medal of Freedom from President Kennedy in 1963 in recognition of his contribution as a performing artist and teacher. He is considered to be the outstanding living exponent of the German Romantic piano tradition.

His concert will include Sonata in F minor, Op. 2; No. 1 Sonata in F minor, Op. 57 ("Appassionata"); and Sonata in B-flat major, Op. 106 ("Hammerklavier").

Hitchcock classic next Tuesday

The Artists Series Tuesday Film Series, Hitchcock — The Early Years, will continue on Tuesday, Jan. 11, with the showing of "The 39 Steps" at 8 p.m. in University Auditorium. Made during a period which became known as Hitchcock's "Golden Era" (1934-1938), this film is probably the high spot of his career at Gaumon-British. A classic espionage film based on John Buchan's novel about a Canadian who leaves London for Scotland to search for a spy ring that has stabbed a woman to death in his flat, it made Hitchcock's reputation internationally known. Featuring Robert Donat and Madeleine Carroll, this is the best remembered film from Hitchcock's early years.

Film tickets are available at the door beginning at 7:15 p.m., at a cost of $1 to non-students.

Gothic to Baroque exhibit

Examples of the Gothic, Renaissance and Baroque art produced in Europe between the 14th and 18th centuries will continue on exhibit through Jan. 18 in the third floor gallery of the Museum of Art.

A varied selection of paintings, drawings, sculpture and crafts has been assembled from the museum's own permanent collection and Pattee's Rare Books Room and also lent by Warren E. Cox and Associates; M. Dollard Fine Arts, Inc.; Metro Antiques; Newhouse Galleries, Inc.; and Victor D. Spark.



14th century French Virgin and Child

Each of the three European art styles represented emerged from a period of fundamental change in the spiritual, political and economic realms, according to the museum's curator, Dr. Olga Preisner, who arranged the show.

"The greatness of the Gothic, Renaissance and Baroque styles lies in their capacity not only to express the spirit of their age but also to have helped shape it," Dr. Preisner explains. "Such total harmony between the spirit of an art style and its historical given time came to an end in Europe with the passing of the Baroque at the close of the 18th century. Western culture never again achieved such harmony and universality."

The exhibition is designed to show the richness and originality of these cultural eras and to demonstrate their relationship to one another. In addition to paintings, sculpture and prints, examples of some of the furnishings and crafts which surrounded people living in those epochs are shown.

Included are an Alpine cradle ornately carved from walnut and poplar about 1470, a carved cabinet and a cupboard of the 15th and 16th centuries, a 17th century English chair with a triangular seat, an elaborately framed Austrian mirror of the 17th century, two brass plates made in the 16th and 17 centuries, and medieval books with wood cuts and illuminations.

Other highlights of the show are a 14th century French Virgin and Child of oak, a limestone Virgin from the same period in Bavaria, and two wood reliquary busts made about 1500 in Cologne. Two outstanding 17th century paintings have been drawn from the museum's collection — Pier Francesco Mola's "Mystic Marriage of St. Catherine" and a still life of flowers attributed to the German painter Abraham Mignon. There are also prints by Cranach, Rembrandt and Durer which belong to the museum and some of which are being exhibited for the first time.

The show has been installed against a backdrop of a group of contemporary velvet hangings woven after late Gothic and Renaissance designs.

Art dealers to offer panel

"Collecting, Selecting and Dealing with Dealers" is the title of a gallery talk featuring three New York art dealers to be presented at 3 p.m. on Tuesday, Jan. 18, in the Museum of Art.

The speakers in the panel discussion will be Antoinette Kraushaar, director of the Krausheer Gallery; LeRoy Davis, director of the Davis and Long Gallery; and Cecily Langdale, also of Davis and Long.

(Continued on page four)

Staff vacancies

Staff vacancies in this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in the INTERCOM may be found in the Penn State REPORTER. All University employees who are interested in promotion may apply by calling the Employment Division, 865-1367 (network Line 476-1367). Applications for these staff vacancies will be received until 5 p.m., Jan. 13, 1977. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

RESEARCH AIDE, AGRICULTURE — University Park
Prepare and perform various types of experiments related to poultry behavior, including numbering birds, pedigree hatching, electrical imprinting, etc. Collect and record behavioral data utilizing 16 mm and 35 mm camera equipment, tape recorders, electrophysiological instruments and direct observations. Assist with data analysis, organizations, etc. Submit data for computer analysis; organize output and prepare preliminary evaluation. Prepare drawings, graphs, figures and charts of data collected. Bachelor's degree or equivalent in biology, animal science, etc., with three to six months of directly related experience.

CLASSIFICATION ANALYST, PERSONNEL ADMINISTRATION — University Park
Responsible for assisting in the implementation of wage and salary plans of the University. Gather information for the review of existing positions or the evaluation of new positions. Write job descriptions based on the compiled data. Assist in conducting research surveys and compiling data for a wide variety of special projects and reports. Bachelor's degree or equivalent, preferably in personnel administration or industrial engineering, plus a minimum of two years' administrative experience.

SYSTEMS ANALYST, BUDGET AND PLANNING — University Park
Analyze and design Student Data Systems. Design and program Specific Application Programs to satisfy information needs in Planning, Reporting and Budgeting. Formulate Analytical Models using techniques of Linear and Multiple Regression, Linear Programming, and Descriptive Statistics. Validate and test existing models. Utilize general languages to satisfy ad hoc information requests (e.g. RPG, GIS, MARK IV, SPSS). A bachelor's degree or equivalent in physical or social science, engineering, business administration, mathematics or computer science. A master's degree is preferred. Three years of directly related experience. Experience with evaluating alternative solutions and/or research into student characteristics and/or development of analytical models for forecasting enrollments or evaluating alternative admissions policies and strategies would be extremely useful.

ASSISTANT TO THE DEAN FOR MINORITY AFFAIRS, GRADUATE SCHOOL — University Park
Responsible to the Graduate School Dean for recruitment and admissions of minority students and implementing financial assistance programs which specifically support minority graduate re-

cruitment efforts. Responsible for coordination with deans and department heads for informing them of recruitment and financial aid possibilities for minorities. A bachelor's degree or equivalent with preferably some graduate work. Ability to communicate effectively with minority students is required. Two to three years of directly related experience. Some familiarity with policies and procedures of the University is desirable.

ADMINISTRATIVE ASSISTANT — Hershey
Responsible to the Associate Provost for Health Education Operations and Chairman of Behavioral Science for the business end administrative functions of Health Education and the Department, including budgetary responsibilities, personnel administration, operational policies and liaison with other departments, colleges and outside organizations. A bachelor's degree, or equivalent, in liberal arts, preferably in an area of allied health, plus one year end up to two years of administrative experience.

BUSINESS MANAGER — Behrend
Responsible to all University business matters of the Behrend College, including maintenance and operation of buildings and grounds; coordination with Housing and Food Service, Personnel and Employee Relations Services; purchasing; coordination of physical plant planning and construction activities, supervision of auxiliary enterprises; and safety and security. Bachelor's degree or equivalent, with four to five years of directly related experience in the areas of physical plant management, grounds maintenance, purchasing, personnel and office management, budget planning and control, safety and security.

Funding sources

For further information, call 865-1372

(252-1) The Office of Education has released an additional notice of intent to issue regulations implementing section of Title I of the Title III of the **Education Amendments of 1976** (PL 94-482). These regulations include: community service and continuing education, BEOG, disadvantaged students, learning and information centers, Talent Search, college work-study, and cEEzen education. (Ref. 41FR52409-26, 11/29/76)

(252-2) The Office of Education announces a Feb. 7 deadline for its **Community Education Program** to develop, establish, or expand training programs for people who will plan and operate CE programs. (Ref. C&U Repts. No. 601) (41FR52107-08)

(252-3) The OHEW Public Health Service has issued regulations for **Community Health Service**, including grants for planning and developing these services for "under-served areas". (Ref. 41FR53203-11, 12/3/76)

(253-1) The Office of Education has published deadlines for the **Education Professions Development Program** (Vocational Education — Part F). New institutional leadership development programs are due Jan. 21 and individual applications,

March 11. (Ref. 41FR54822-25, 12/15/76) (CFDA 13.503/504)

(253-2) The Office of Education has announced deadline dates for several **Bilingual Education** programs: **Feb. 15** for basic programs, supportive services, fellowship programs and technical assistance contracts; and **March 21** for basic, supportive, and training program continuations. (Ref. 41FR54415-19, 12/15/76) (CFDA 13.403)

(253-3) The National Science Foundation announces a **Pre-College Teacher Development in Science Program** for the continuing education of elementary and secondary school science teachers. Through this program, science knowledge of teachers and communication between them and college-based scientists is to be improved. The proposal deadline is March 1. (Ref. SE 77-27)

(253-4) NASA and the American Society of Engineering Education have announced the **Summer Faculty Fellowships** for aerospace research and engineering systems design. These fellowships are to be awarded faculty or research scientists with two years of teaching experience. Ten program sites are available. The application deadline is Feb. 1. (Ref. ED 76)

(253-5) The U.S. Air Force and the American Society for Engineering Education have announced research **Summer Faculty Programs** devoted to research and engineering systems design. Fifty-four awards will be made to U.S. citizens who hold the Ph.D. degree and who offer two years of teaching and/or research experience. Deadline is Feb. 1. (Ref. ibid)

(253-6) The National Endowment for the Humanities announces a program of **1977 Summer Seminars for College Teachers**. Deadline for application is March 15. (Ref. ibid)

FELLOWSNIPS
(For further information inquire at 317 Kern, 815-2514)

(253-7) National Safety Council — Feb. 15
(253-8) Epilepsy Foundation — pre- and post-doctoral. March 1-April 1.
(253-9) DHUD — doctoral dissertation research, Jan. 15.
(253-10) National Center for Atmospheric Research.
(253-11) Muscular Dystrophy Assoc. Inc — post-doctoral, June 30.
(253-12) Supplemental Grants — April 1
(253-13) American Antiquarian Society
(253-14) Richard D. Irwin Foundation — business adm., mid January.
(253-15) Doherty Fellowship Committee — social science.
(253-16) HRA Div of Nursing — pre- and post-doctoral, Feb. 1, June 1, Oct. 1
(253-17) HRA Health Services Research — doctoral dissertation, Feb. 1.
(253-18) OHEW/HEW Fellows — key positions.

Elsewhere in academe

UC tightens requirements

In a move to attack the steady decline in academic skills of its entering freshmen, the University of California has tightened admission requirements. It has informed high school principals that it will no longer accept high school journalism, speech or drama courses as substitutes for English composition classes. In addition, UC is reversing a longtime trend of giving high schools greater latitude in determining their curriculums by stating that henceforth, "All English courses must have substantial, recurrent practice in writing expository prose compositions of some length." UC is also making its mathematics entrance requirements more explicit. Courses "containing any significant amount of material in such areas as (basic) arithmetic and shop, consumer or business mathematics are not acceptable,"

Penn tuition to rise

Students at the University of Pennsylvania will probably get a tuition increase next year to offset the institution's budget deficit. The university reportedly estimates that unless it can make some cuts in its current expenses, the 1977-78 operating deficit will total between $4 and $5 million. For the 1976-77 academic year, tuition and fees for undergraduates were increased from $3,790 to $4,125.

Job future brighter

Next June's grads face a brighter future as far as jobs are concerned, a survey of 215 major corporations found. Business and industry are preparing to hire 16 percent more graduates in 1977 than they did in 1976, and salaries will be 4 to 7 percent higher. While engineers are in the greatest demand, the corporations also expressed increased needs for graduates in accounting, sales-marketing, business administration, chemistry, mathematics-statistics and economics-finance. More jobs for liberal arts majors will also be available next June, but teachers continue to be a glut on the market.

More choosing college

The proportion of high school seniors with definite plans to attend college has increased significantly over the last three years, according to statistics prepared by the U.S. Bureau of the Census. In October 1975, 48.9 percent of all high school seniors indicated they would enter college the following year. An additional 25 percent said they might attend college, while 10 percent had plans to continue their education in post-secondary business, trade or vocational schools. In 1974, 43.6 percent of the seniors had college plans, and in 1973, 42.9 percent.

Med students double

Medical school enrollment has almost doubled during the past 20 years, according to a report from the American Medical Association. In 1975-76, there were 15,351 first-year students enrolled in 114 medical schools. This compares to 7,686 students in 82 schools in 1955-56. Enrollment also increased by 2,170 between 1974-75 and 1975-76. Women are making significant gains in medical school acceptances. The percentage of women enrolled is now 20.5 percent as compared to 7.2 percent in 1949-50.

Court to hear Bakke case

The controversy over special treatment of minority applicants to colleges and universities may soon be resolved by the United States Supreme Court, which has agreed to hear the case of Allan Bakke, the 36-year-old white engineer who was twice rejected by the University of California's medical school at Davis. Mr. Bakke won a verdict in his favor from the California Supreme Court. He claimed that he was better qualified for admission than some of the minority students who were accepted by the medical school, which reserves 16 of the 100 places in its freshman class for members of minority groups.

News briefs

(Continued from page one)

The guest speaker is the Rev. Dr. Kenneth L. Smith, professor of applied theology at Colgate-Rochester Divinity School-Bexley Hall-Crozer Theological Seminary, Rochester, N.Y. Dr. Smith is the author of "Search for the Beloved Community: the Thinking of Martin Luther King Jr."

Information, reservations and tickets, which cost $8, are available from the forum's program chairman, the Rev. Charles L. Coleman, program director of religious affairs, 865-6348, or Elmore Browne, director of the Black Cultural Center, 865-1779.

Retirees to meet

The 160th meeting of the Penn State Retired Staff Club will be held at 7:30 p.m. on Thursday, Jan. 13, at St. Andrews' Parish Life Center. David C. McKinley, professor emeritus of banking, will present his annual forecast of economic predictions for the coming year. Reservations, which are due by Jan. 10, may be made with Clarence and Mary Bryner, 720 W. Hamilton Ave., 237-2607.

HUB parking available

Some University employees have reported being discouraged from eating at the HUB Terrace Room because of a lack of parking. However, there are several options available.

1) The HUB lot (Brown F) is open — space permitting — to any University Faculty/Staff registered vehicle daily between the hours of 11 a.m. and 2 p.m., if the owner is having lunch at the Terrace Room.

2) Parking areas Blue F and Blue G (behind Simmons and McElwain Halls, and generally around Pollock Halls) are open to Faculty/Staff lots. Any current Faculty/Staff decal will be honored in these lots, and it is only a short walk from there to the Terrace Room.

3) After 5 p.m. weekdays and on weekends, if the HUB lot (Brown F) is filled, parking is often available in Yellow H parking area behind Osmond Lab. Enter just past the kiosk on Pollock Road.

WPSX highlights

The effects of sexism on both men and women are examined on "Going Past Sex: An Essay on Sexism" at 9 p.m. on Friday, Jan. 7. The **Documentary Showcase** presentation looks at how sexist attitudes are reinforced in the home and in schools, as well as in advertising and television.

Thurber, William Windom's one-man performance based on the stories of James Thurber, will be seen at 7 p.m. on Sunday, Jan. 9.

Author Tom Wolfe takes a satiric look at California life styles on **Tom Wolfe's Los Angeles,** an hour-long special program to be seen at 9 p.m. on Monday, Jan. 10. The program is Wolfe's fictional account of life in different Los Angeles neighborhoods.

The complexity of nutrition and its role in heart disease, obesity, and other conditions are explored on **Foodwise,** 8 p.m. on Tuesday, Jan. 11. The Penn State Television production includes segments on protein, fats and cholesterol, vitamins and vitamin supplements, and obesity and dieting. The program was produced by WPSX as a continuing education and community service of the Nutrition Program-Division of Biological Health, in the College of Human Development.

A Russian film festival premieres on **PBS Movie Theatre** at 9:30 p.m. on Tuesday, Jan. 11, with a full-length, uninterrupted showing of Sergei Eisenstein's "Potemkin." Made in 1927 as part of the tenth anniversary of the Russian revolution, "Potemkin" was named "the greatest film of all time" in a poll of film critics.

New research into the analysis of fossil dinosaur bones is examined on **Nova** at 8 p.m. Wednesday, Jan. 12. Entitled "The Hot-Blooded Dinosaurs," the program focuses on the work of Harvard University scientists working in the Badlands of western Canada. Included is a review of recent research that indicates that dinosaur bone marrow could have produced blood similar to hot-blooded animals, a discovery that has led some scientists to believe that dinosaurs have survived into the present era as modern-day birds.

Arts roundup

(Continued from page three)

The Penn State Symphony Orchestra will present a concert on Sunday, Jan. 9, at 7:30 p.m. in University Auditorium.

Dr. D. Douglas Miller, associate professor of music, will conduct the program, which features the Claremont Woodwind Quintet. The musicians in the quintet are Glenda Page, flute; Mary Ann Cassilly, oboe; Smith Toulson, clarinet; William Dole, bassoon, and Christeen Dole, French Horn.

Teh program will open with the Overture to "Benvenuto Cellini" by Hector Berlioz, followed by the premiere of a work written in 1973 by Morris Knight, Concerto for Wind Quintet and Orchestra. The concert will conclude with a performance of Brahms' Symphony No. 2 in D major.

Secretary named

(Continued from page one)

dignity, welfare and privacy," Dr. Kerlin explains.

"If the Department of Health, Education and Welfare were to determine that the University is violating its human subjects policy, the Secretary of HEW could terminate or suspend grants or contracts."

Guidelines for the preparation of review materials are given in "Human Subjects Policy and Procedure," a manual available from the Secretariat, Room 316 Willard Bldg. A protocol separate from the parent proposal must be written to define clearly procedures for safeguarding the rights of subjects. Methods of obtaining informed consent must also be explained. These review materials are prepared by the investigators and sent to the Executive Secretary, who forwards them to the appropriate committee and arranges for review. From 30 to 90 days are allowed for the entire review process, depending on the complexities of each case.

The Secretariat phone number is 865-1775, where Dr. Kerlin or Ms. Patricia A. Doud, secretary, can be contacted for assistance.

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Tuition remission tax unfair, President Oswald tells IRS

Tuition remission to the child or spouse of an employee of an educational institution is, and ought to remain, a scholarship, free from federal income tax, President Oswald told the Internal Revenue Commissioner at a hearing on Jan. 7 in Washington, D.C.

The IRS has proposed that tuition remission be considered taxable income.

Dr. Oswald spoke on behalf of The American Council on Education, which represents virtually all of the institutions of higher education in the United States. Dr. Oswald was ACE chairman in 1973.

Excerpts from the text of Dr. Oswald's statement appear below:

"Tuition remission plans have been a part of the fabric of higher education for many years, predating the federal income tax laws. Literally thousands of individuals in our society — those who place a high value on education — have been educated because of plans of tuition remission. For many years, the educational plans of countless parents and their children have been predicated upon the existence of tuition remission.

"This is a matter of concern to both public and private colleges and universities.

"At my University — Penn State — tuition remission has been available to children of employees since at least 1878.

"Under present policy, a son or daughter or spouse of an employee is eligible for a remission of 75 percent of the applicable tuition.

"The tuition remission is not limited to the children and spouses of faculty, administrators or executives. It is available to the children and spouses of all classifications of Penn State employees, without discrimination in any respect. This includes service personnel and clerical personnel, most of whom earn between $7,000.00 and $10,000.00 annually.

"Penn State has approximately 11,000 full-time employees. Over the years the tuition remission has been an important source of financial support for many thousands of students. For example, 1,416 children of employees received tuition remission scholarships in the academic year 1975-76. Five hundred thirty-seven of the recipients were children of staff and clerical employees. One hundred thirty of the recipients were children of service employees. Forty seven percent of the scholarships were awarded to children of employees other than faculty members. It is a known fact that hundreds of Penn State graduates would not have been able to receive a university education without this program.

"I believe that the facts are similar for most of the colleges and universities in America.

"Higher education is entering an era of limited growth with limited resources. To impose an unwarranted tax burden upon the thousands of persons who serve higher education will unquestionably add to the financial pressures upon colleges and universities at a time when the need for resources is critical. You will note that I have characterized the proposed amendments as imposing an **unwarranted** tax burden. I make this categorical statement fully recognizing the obligation of every citizen to pay all taxes imposed by law.

"Congress did not intend to tax tuition remission when it enacted Section 117 of the Internal Revenue Code in 1954. The House and Senate Committee reports specifically stated that if an educational institution participates in a plan whereby the tuition of a child of a faculty member is remitted at any other participating educational institution, the amount of tuition remitted shall be considered a scholarship under Section 117. The language of the committee reports was then adopted in the regulations under Section 117 in 1956. For more than twenty years the regulation has remained the same. During this twenty-year period, Congress has considered the meaning of the term 'scholarship' on at least four occasions. At no time did Congress suggest that it had changed its view that tuition remission was a scholarship.

"The Internal Revenue Service has recognized the congressional intent to treat tuition remission as a scholarship. In 1971, in a ruling to a large state university, the

(Continued on page three)

Eight Alumni Fellows chosen to visit during spring term

Eight prominent Penn State graduates have been designated Alumni Fellows for 1977.

They will visit the University at various times during spring term to meet both formally and informally with students, faculty and administrators. The Fellows are.

- Dr. Richard E. Hoover, of Upperco, Md., assistant professor of ophthalmology at Johns Hopkins University and chief of ophthalmology at the Greater Baltimore Medical Center — College of Health, Physical Education and Recreation;
- Robert E. Kirby, of Pittsburgh, chairman of Westinghouse Electric Industry and Defense Co. — College of Engineering;
- Marion Dougherty Blossom, of Bay Shore, N.Y., casting director, producer and owner of Marion Dougherty Associates — College of Arts and Architecture;
- Dr. Theodore H. Blau, of Tampa, Fla., adjunct professor of behavioral science at the University of South Florida and president of the American Psychological Association — College of Human Development;
- Dr. Frederick C. Langenberg, of Washington, D.C., president of the American Iron and Steel Institute — College of Earth and Mineral Sciences;
- Barbara Hackman Franklin, of Washington, D.C., commissioner of the United States Consumer Product Safety Commission — College of the Liberal Arts;
- Dr. David G. Keeney, of Patantine, Ill., retired senior vice president of M&M Mars, Inc. — College of Agriculture; and
- Marshall Evans, of Pittsburgh, retired vice chairman of Westinghouse — College of Business Administration.

The Alumni Fellows Program was begun in 1973 to bring top alumni to Penn State to share their expertise and experiences with the University community. While on campus, the Fellows attend classes, offer seminars, give public talks and conduct question-answer sessions with students.

The Alumni Fellows Program is sponsored by the Penn State Alumni Association and the academic colleges of the University. Each college hosts a Fellow whose career interests relate to students and faculty in that college.

Instrument Landing System approved by FAA for University Park airport

The Federal Aviation Administration in Washington, D.C., has informed the University that an Instrument Landing System with be installed at the University Park Airport.

The Instrument Landing System is an electronic guidance system which aids a pilot landing during adverse weather conditions, explains Robert A. Patterson, senior vice-president for finance and operations at the University. When weather conditions prevent visual contact with the runway, forcing the pilot to rely upon instruments for alignment and descent guidance, the new system will provide the electronic signals necessary to activate these instruments.

"But even with an operating Instrument Landing System," Mr. Patterson points out, "the pilot must gain visual contact with the runway before actually landing."

Mr. Patterson noted that the University has been working with the FAA for a number of years to provide improvements to the airport. In 1965 a grant was received for the construction of a crosswind runway, and in 1968, a grant was made for airport runway lighting. A major grant for the new runway, taxiway and rotating beacon was made in 1972.

Mr. Patterson concluded:

"The approval of an Instrument Landing System for the University Park Airport at this time becomes an important element in a plan to provide the necessary safety and reliability equipment to improve the airport for the current users and to provide a facility to be used by the present commuter operator to provide more reliable air transportation for the State College-Bellefonte area and to pave the way for improved commuter service for the future."

News briefs

Surplus sales store opens

Beginning Jan. 14, the University will sponsor a surplus sales store in the Surplus Warehouse each Friday from 9 a.m. to 3:30 p.m. The store will offer for public sale limited quantities of obsolete equipment and supplies which are no longer of use to the University, including old furniture and office equipment. Opening of the store does not mean the discontinuation of the University's surplus auctions. The Surplus Warehouse is located off Bigler Road near the Air National Guard installation.

Malaysia needs faculty

The International University of Malaysia is interested in having Penn State faculty on visiting appointments to teach graduate courses and to assist in the development of curriculum and programs. For more information, contact the University Committee on International Programs, Room 305 Wilfard Bldg., 865-9549.

Prof. Ricoeur to speak

"The Function of Fiction in Shaping Reality" is the subject of a public lecture at 3:30 p.m. on Saturday, Jan. 22, in Room 101 Kern Graduate Bldg. by Paul Ricoeur, professor of philosophy at the University of Paris, Nanterre, and the University of Chicago.

The lecture is sponsored by the Departments of Philosophy and Art Education and the Interdisciplinary Graduate Program in the Humanities.

Publisher of the journal "Esprit," Prof. Ricoeur is also director of the major French philosophical journal, "Revue de metaphysique et de morale," and he is recognized as one of the most important contemporary philosophers for his original contributions to phenomenology, psychoanalysis and hermeneutics. He has published two volumes of a projected three volume series, "Philosophy of the Will," and his bibliography emounts to more than 40 pages. Both the University of Basel and the University of Chicago have awarded him honorary degrees.

Among Prof. Ricoeur's books are "Freud and Philosophy," "The Conflict of Interpretations" and "Interpretation Theory," all of which are concerned with the question of how to account for the unity of human language in view of the diverse uses to which it is put.

He is also the author of "History and Truth" and of "Husserl: An Analysis of His Philosophy."

New foreign studies program

A new foreign studies program for architectural engineering majors will begin spring term at the University of Leeds under the auspices of the Office of Foreign Studies.

Fifteen Penn State students have been selected for the first program, which is designed to enrich their professional training by exposing them to British procedures involving the environmental and structural design of buildings.

During their ten weeks in England, the final two weeks of which will be spent at the King's Manor in York students will take courses in Analysis of Human Settlements, Architectural Design Analysis, Architectural Engineering, and Research in Architectural Engineering.

The establishment of this program brings to 14 the number of foreign study opportunities sponsored by the University. Under the direction of Dr. Dagobert de Levie, professor of German, the programs have enrolled more than 2,700 students since their inception in 1962. Explorations are currently underway to offer study terms abroad in East Africa and East Asia.

HUB International Dinner

The HUB Terrace Room is starting off 1977 with an International Candlelight Dinner from 4:45 to 7 p.m. on Friday and Saturday, Jan. 14 and 15. In line with the theme, the menu features shepherd's pie, fantail shrimp with tempura sauce, prime ribs of beef with Yorkshire pudding, Pekingese pork, coq au vin and steak Polynesian.

"A Taste of Honey" opens

University Theatre Productions will present "A Taste of Honey" by Shelagh Delaney Jan. 20-22 and 25-29 at 8 p.m. in the Pavilion Theatre.

Originally staged by London's Theatre Workshop in 1954, the play is a drama of a pregnant school-girl and her physical and emotional struggles with the people in her world, her irresponsible mother, a drunken stepfather, a sailor, and an art student.

The production is directed by Anne Dreckthrah, an M.F.A. candidate in directing. Original '50's jazz music is being arranged and conducted by music major Chris Pandish. The music will be performed live onstage by a jazz combo, which will accent the music hall atmosphere.

The Playhouse Box Office is open from 1-6 p.m. on non-performance days and 1-9 p.m. on performance days. Ticket information may be obtained by calling 865-1884.

Star watch scheduled

The Department of Astronomy and the Astronomy Club will hold the first public session of star gazing of the new year from 8 to 10 p.m. on Friday, Jan. 14, on the roof of Davey Laboratory. In case of cloudy weather, alternative dates will be Jan. 15, 21, 22, 28 and 29. All star watch sessions scheduled from September through December had to be canceled because of cloudy weather. Visitors are reminded not to turn out unless the brighter stars are visible to the unaided eye.

If it is clear on Saturday, visitors can expect to see Jupiter, Orion's Nebula, the

(Continued on page four)

PENN STATE COLLECTION

Faculty notes

Dennis J. Sporre has been named director of general education in the arts and associate professor of theatre arts at the University, effective Jan. 1. For the past four years, he has been on the faculty of the University of Arizone, serving as assistant professor of theatre arts and assistant dean of the College of Fine Arts. Earlier he served as an assistant professor at the University of Chicago and at SUNY at Plattsburgh. A graduate of Central Michigan University with a B.A. degree in music, he has an M.A. with a major in dramatic art and scenic design from the University of Iowe.

Dr. Thomas A. Hale, assistant professor of French, presented two talks on African literature at the College of Wooster on Jan. 12. His subjects were "African Literature and Academia" and "An Audio-Visual Introduction to African Literature of French Expression."

Dr. Mertha T. Halsey, associate professor of Spenish, organized and chaired a session on the drama of Antonio Buero Vallejo at the recent annual meeting of the American Association of Teachers of Spanish and Portuguese in Atlenta, Ga. Dr. Halsey is the author of a book on Buero, who is the most distinguished dramatist writing in Spain today.

Responding to concerns from supervisors of college- and university-level writing programs across the country, the Modern Language Association is establishing a new national organization, the MLA Council of Writing Program Administrators. **Dr. Harvey S. Wiener,** associate professor of English, has been elected chairman of the steering committee for the new group.

Penn State's Press has publshed a book, "Studies in Old Prussian," by **Dr. William R. Schmalstieg,** professor and head of the Department of Slavic Languages. A critical review of all the post-war literature in the field, the book contains, among other things, a linguistic analysis of the recently discovered Basel Epigram, a two-line fregment of a drinking song.

In 1975, Dr. Schmalstieg was the first linguist ever to examine the original in the Public Library of the University of Basel. The fragment, apparently dating from 1369 and therefore being the oldest attested monument in any Baltic language, reads (in English translation) "To your health, sir! Aren't you the good fellow if you want to drink and don't want to pay for your drinks."

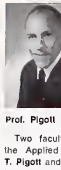
The book is Dr. Schmalstieg's second book on Old Prussian. His "An Old Prussian Grammar" (1974) was the first grammar of Old Prussian ever to appear in English.



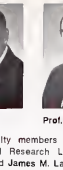
Edward P. Ferrand, extension forest resources specialist, is marking his 25th year at Penn State.

A native of New Jersey, he attended Morris County Junior College for one year and then transferred to the University, where he received his B.S. and M.F. degrees. Prior to joining Penn State's staff, he was employed by the Krumenacker Lumber Co. and the Armstrong Forest Co. He also served four years in the U.S. Army Air Force as a weather observer and communications officer.

Mr. Ferrand has worked extensively with Pennsylvania's Christmas tree growers and maple sugar producers.



Prof. Pigott



Prof. Lawther

Two faculty members on the staff of the Applied Research Laboratory, **Miles T. Pigott** and **James M. Lawther,** are marking 25 years at the University.

Dr. Pigott, assistant director of academic affairs at ARL and professor of engineering research, is a native of Springfield, Ohio. He was graduated from Miami University in Oxford, Ohio, with an A.B. in physics in 1947 and the following year received his M.A. in physics from the University of Illinois at Urbana. He completed his Ph.D. at Penn State in 1955. Dr. Pigott served two years in the Army before coming to ARL in 1951 as a research associate.

Dr. Lawther is an associate professor of engineering research and is assigned to the staff of ARL's Acoustics Department. A Wilkes-Barre native, he holds three degrees from Penn State in electrical engineering. Prior to joining ARL, he was employed by the Community Engineering Corporation as chief engineer. He came to ARL as a research assistant and has held his present position since 1963.

Dr. **Richard F. Scrudder,** professor of plant pathology at Penn State's Fruit Research Laboratory in Biglerville, has been appointed co-chairman of the Northeast Fruit Research Program Steering Committee. The committee was organized in 1974 and serves in an advisory capacity to the U.S. Department of Agriculture and the directors of the agricultural experiment stations in the 12 northeastern states.

Appointments

Thomas C. Collins as assistent professor of forest resources at DuBois Campus. B.S., M.S. and Ph.D., U. of Wyoming.

E. Michelle Solomon as assistant librarian at Altoona Campus. B.A., M.L.S., SUNY at Buffalo. Former librarian in Buffalo.

Promotions

James A. Lynch has been promoted to assistant professor of forest hydrology in the College of Agriculture, effective Jan. 1. He earned his B.S., M.S. and Ph.D. degrees at Penn State.

Vincent F. McCormack has been promoted to assistant professor of accounting in the College of Business Administration, effective Jan. 1. He earned his B.S. at the University of Maryland and his M.B.A. and Ph.D. at the University of Michigan.

New chairmen named

Two changes in administrative leadership in the Department of Material Sciences have been announced by Dr. Philip L. Walker, Evan Pugh Professor of Materials Science and head of the department.

Dr. Michael M. Coleman, assistant professor of polymer science, has been named chairman of the polymer science section in the department, succeeding Dr. Walker who has served as chairman for the past four years.

Dr. Walker has assumed chairmanship of the fuel science section, replacing Dr. Howard B. Palmer, professor of fuel science, who resigned from that position in order to devote more time to teaching and research.

Dr. Coleman joined the University staff in 1975, having previous worked for E. I. DuPont. He has made significant contributions to the understanding of polymer structure and properties through the use of infrared and Raman spectroscopy.

Dr. Walker, who joined the Penn State faculty in 1952, was named an Evan Pugh Professor in 1974. He was recognized by the American Chemical Society in 1969 for "distinguished contributions to the science and utilization of coal" with the presentation of its Henry H. Storch Award.

Point of view

From time to time, INTERCOM solicits opinions from faculty members on topics of interest to the academic community. For this article, Dr. Robert W Frank Jr., professor and head of the Department of English, taped his comments on the role of the graduate assistant in university teaching, specifically in English at Penn State.

Q. We wondered if you would discuss the role of the graduate assistant in the University?

A. I suppose the topic arises because there is a general concern about teaching and what goes on in freshman English courses in particular; but it does seem to me that it's a basic issue. The real problem is this: How are we going to put trained people into college classrooms? If we don't have a system of graduate assistants, the only alternative is to turn out on the market M.A.'s and Ph.D.'s who have never had any teaching experience and who will have to learn how to teach on the job without preparation or supervision — a wasteful and harmful method. I believe we ought to use the analogy of doctors and internships when we think about graduate assistants. The intern system is the way a medical student makes the critical transition from medical school and the classroom and lab to that moment when he is totally and solely responsible for the health and the life of a living person. An effective, responsible graduate assistantship program ought to be comparable to the internship system. The real question is not, "Is the graduate assistantship system per se a bad system?" but, "What is the most effective way to use it?" Any responsible society would want to have some such system operating for the training of its college teachers.

Ideally, the Department of English at Penn State would prefer to have our graduate assistants for a whole term to give them some introduction to the problems of teaching composition and some kind of training before putting them into the classroom. We're not given the money to do it this way, and so we have to start with assistants who have never taught before, put them in a classroom, and give them as much guidance, instruction, orientation and laboratory assistance as we can. This is not ideal, but it can be effective and responsible.

We do have a one-credit course which our assistants take the first term they teach. The English graduate faculty is talking about making it a three-credit course to give it much more substance. At the same time, we have a staff system which we inaugurated about a year-and-a-half ago. This is a great, great help. Everybody teaching English 1 is assigned to a staff of somewhere between 10 to 12 persons, all of whom are teaching the course. Every staff is composed of a spread of teachers from experienced regular and part-time faculty to experienced graduate assistants to inexperienced graduate assistants. There's a staff leader who's responsible for the conduct and program of the staff meetings. The staff meet every week for an hour to discuss plans for the work of the week ahead. That usually takes up about half the hour. The other half is devoted to particular problems that the graduate assistants or other members of the staff bring up for discussion or to assign problems for discussion. The staff I was in, for example, did a lot of common grading of papers, in an attempt to get more agreement on standards. This system makes it possible for us to open up problems and arrive at ways to handle them. It provides enormous help for a new graduate assistant. Devices to use in the classroom, interesting theme assignments — topics of this kind get kicked around. We provide a situation in which new graduate assistants have a place they can go immediately and ask for help. In the staff sessions, they get hints as to how to conduct their classes the next week, what to emphasize, what dangers to avoid. For the more experienced graduate assistants and for everybody else who is experienced, there is always something to learn, and there is a pooling of knowledge that is beneficial to everybody. Then there is some visitation of the classes being taught by new graduate assistants, either by the staff leader or a faculty member assigned by the freshman English committee. Those staffs work for all three courses, English 1, 2, and 3, and as long as one is teaching in those courses, one is part of the staff. Graduate assistants here, therefore, are in a program of reinforcement and instruction for the whole period of their stay in English 1, 2 and 3. So are faculty members.

Att English 1, 2 and 3 courses are also given instructional evaluation forms at the end of the term, and so we have that kind of data. It's not totally trustworthy, but it's one kind, and we do follow up on everybody teaching in the course, especially the graduate assistants. We are also now being much more responsible to teaching potential than we used to be in awarding new graduate assistantships. We demand writing samples from everybody who applies for the graduate program in English; students applying for graduate assistantships who have good grades but whose writing suggests that they shouldn't be put in the classroom and charged with grading freshman papers will be rejected. Also, if we find graduate assistants whose performance is not satisfactory, we take them out of the classroom or terminate their assistantship.

There's nothing very earth-shattering about all this, but I think there are several very important aspects to it. It is one of the ways in which a sense of professionalism is developed, an absorption of the standards that should be observed in handling students in a writing course and of the standards a student ought to be held to in writing performance. By the time our graduate assistants have been with us two terms, they are already beginning to be fairly sophisticated teachers. In fact, some of our best teaching is being done by graduate assistants.

Q. If you didn't have graduate assistants in the English Department, would there be any way the faculty could handle the load?

A. We have 60 graduate assistants who teach a course a term; that would mean we'd need 30 more people in the department to handle the sections that they teach. There is no question that the department profits from this. It is cheap labor for the University. I think, however, that there is considerable justification for the system in that graduate education is itself a very expensive process and costs the University a lot of money. Graduate courses are the most expensive courses we teach. Though it's not true that every graduate student becomes a graduate assistant, I think it's probably true that almost all students who stay on for the whole Ph.D. route will have become graduate assistants at some stage of the game.

Many of our M.A. candidates do not teach for us, but the Ph.D. is such an expensive degree and it takes so long, it is almost impossible these days, except under very unusual circumstances, to fund one's education in any other way. So the assistantship is a way in which graduate students do help to pay for their education. It is not just that they're getting tuition; they are making a contribution to the University and at the same time getting a very essential training. It is still true, in terms of dollars per credit hour, that freshman English costs us less than any other course we teach in the department. And it would be enormously more expensive to the University if we had to use full-time faculty.

(Continued on page three)

University Park Calendar

January 13—23

Items to be included in this calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special events

Thursday, Jan. 13
USG Flea Market, all day, HUB ballroom.
Sports: Wrestling, vs. Maryland, 7:30 p.m.
GSA Bridge Workshop, 8 p.m., Room 102 Kern.

Friday, Jan. 14
USG Flea Market, all day, HUB ballroom.
HUB International Candlelight Dinner, Terrace Room, 4:45-7 p.m.
Folk, Square, and Ballroom Dance Roundup, 7:30 p.m., Room 133 White.
Sports: Men's basketball, vs. George Washington, 7:30 p.m.
Women in Communications, Inc., 7:30 p.m., HUB ballroom. Fran Lee, consumer advocate.
GSA Commonsolace Coffeehouse, 8 p.m., Room 102 Kern.
Steven Smith, piano, 8:30 p.m., Music Bldg. recital hall.

Saturday, Jan. 15
Faculty Women's Club Mid-Winter Brunch, 9:30 a.m.-noon, Nittany Lion Inn.
Women in Communications, Inc., 1:30 p.m., HUB ballroom. Fran Lee, consumer advocate.
Sports. Women's basketball, vs. Cheyney, 2 p.m. Men's and women's gymnastics, vs. Southern Illinois, 7:30 p.m. Men's fencing, vs. Jersey City State, 2 p.m. Wrestling, vs. West Chester, 2 p.m.
HUB International Candlelight Dinner, Terrace Room, 4:45-7 p.m.
Artists Series, Rudolf Serkin, pianist, 8:30 p.m., University Auditorium.

Sunday, Jan. 16
PSOC Hiking Division, circuit hike from Penna. Furnace State Park, 9 a.m., HUB parking lot.
Chapel Service, 11 a.m., Eisenhower Chapel Multi-Purpose Room. Dr. Kenneth Smith, Colgate Rochester Divinity School.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel. Martin Luther King Memorial Service.

Monday, Jan. 17
Juna Miller, organ, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Jan. 18
Comp. Lit. Luncheon, 12:15 p.m., Faculty Club. Jeanne Chenault, art history, on "Diderot's Painters. Didactic or Decadent?"
Gallery Talk, Antoinette Kraushaar, Kraushaar Gallery, NYC; LeRoy Davis and Cecily Langdale, Davis and Long Co., NYC, on "Collecting, Selecting, and Dealing with Dealers." 8 p.m., Museum of Art.

Wednesday, Jan. 19
University Theatre, "A Taste of Honey," 8 p.m., Pavilion Theatre.
HUB-Free Coffeehouse, 8:30 p.m., Room 301 HUB.
Thalia Trio, 8:30 p.m., Music Bldg. recital hall.
University Theatre, "A Taste of Honey," 8 p.m., Pavilion Theatre.

Thursday, Jan. 20
STS-Two Cultures Dialogue, noon lunch, 12:45 p.m. talk, Faculty Club. Stanley H. Rosen, philosophy, on "Reason and Intuition."
Sports: Men's and Women's bowling, vs. West Chester, PSU Capitol Campus 3 p.m.
University Theatre, "A Taste of Honey," 8 p.m., Pavilion Theatre

Friday, Jan. 21
Artists Series, Philadelphia Composers' Forum, 8:30 p.m., Schwab.
University Theatre, "A Taste of Honey," 8 p.m., Pavilion Theatre.
Experimental play, "The Gas Heart," 7:30 and 9 p.m., HUB essembly room.

Saturday, Jan. 22
Sports: Men's basketball, vs. Villanova, 7:30 p.m.; men's and women's rifle, vs. Indiana (Pa.), 2 p.m.; wrestling, vs Clarion, 2 p.m.
Campus 4-H Club Square Dance, 7:30 p.m., HUB ballroom
Experimental play, "The Gas Heart," 7:30 and 9 p.m., HUB assembly room.
University Theatre, "A Taste of Honey," 8 p.m., Pavilion Theatre.

Sunday, Jan. 23
PSOC Hiking Division, mystery hike, 9 a.m., HUB parking lot.
Chapel Service, 11 a.m., Eisenhower Chapel Multi-Purpose Room. Dr. David L. Hadden, Presbyterian Church, State College.
Black Christian Fellowship worship service, 11.15 a.m., Multi-Purpose Room. Eisenhower Chapel. Pastor Gerald G. Loyd.
Sports: Men's vollaybell, Nittany Lion Intvitational, 8 a.m., Rec. Hall; hockey vs. Lehigh University, 7:30 p.m.
Reception, Student Paintings and Ceramics, 3-5 p.m., Zoller Gallery.
Fran Moskovitz, flute, 3:30 p.m., Music Bldg. recital hall.

Seminars

Thursday, Jan. 13
Chemistry, 12:45 p.m., Room 333 Whitmore. Charles U. Pittman Jr., University of Alabama, on "Catalysis by Polymer Supported Homogenous Catalysts."
Physics, 3:50 p.m., Room 117 Dsmond. E. Gerjuoy, University of Pittsburgh, on "The Few-Body Problem in Atomic Physics."
Microbiology & Cell Biology, 4 p.m., Room 52 Frear. Terry Platt, Yale University, on "Regulatory Regions In the Tryptophan Operon of 'E. coli.'"
Statistics, 4 p.m., Room 217 Willard. David Hoaglin, Harvard University, on "The Hat Matrix in Regression and ANOVA."
Geology, 4 p.m., HUB assembly room. Simon Levin, Cornell University, on "Populations In Heterogeneous Environments."
Computation Center, 7:30 p.m., Room 106 Dsmond. JCL (2).
Mathematics, 4 p.m., Room 102 McAllister. J. L. Lebowitz, Yale University, on "Lie Algebras, MacDonald's Identities, and Loop Spaces."
Meteorology, 4 p.m., Room 26 Mineral Sciences. Zeplman Warhaft on "Experimental Studies of Temperature and Vetocily Fluctuations in both Laboratory and Atmospheric Flows."

Monday, Jan. 17
Genetics, 3.55 p.m., Room 108 Tyson. Carter Scrov on, "Chapter 15 from 'Cytoplasmic Genetics and Evolution' by Paul Grun: Cancers in Vertebrate Animals."
Computation Center, 7.30 p.m., Room 106 Osmond. JCL (3).

Tuesday, Jan. 18
Environmental Design and Planning, 9:35 a.m., Room 318, Sackett. Arthur Anderson, architecture, on "Fundamental Principles of Architectural Theory in Contemporary Expression."
Plant Pathology, 9:45 a.m., Room 213 Buckhout. Padrucl. Fried on "Insect Control in Rice in Southeast Asia."
Food Science, 11.10 a.m., Room 201 Borland. Carol Long on "Utilization of Plant Pigments as Food Colorants."
Analytical Chemistry. 1 p.m., Room 333 Whitmore. Steven J. Ankabrandt on "Semi-integral Electroanalysis."
Water Pollution Control, 2:20 p.m., Room 124 Sackett. Kenneth A. Bartel, DER, Harrisburg, on "A Systematic Approach for the Application of Cost Effective Analysis in Wastewater Management."
Mathematics, 4 p.m., Room 102 McAllister. James Glimm, Rockefeller University, on "From Duantum Mechanics to Probability and Back Again."
Earth and Mineral Sciences, 7:30 p.m., Room 26 Mineral Sciences. Alistair B. Fraser, meteorology, on "Meteorology and the Supernatural."
Inorganic Chemistry, 8 p.m., Room 333 Whitmore. Joseph Ishiguy on "Phosphorous Pentechloride-Lewis Base Adducts"

Thursday, Jan. 20
Chemistry, 12.45 p.m., Room 333 Whitmore. R. Srinivasan, IBM Research Center, on "Decomposition of Amines in a Glow Discharge."
Industrial and Management Systems Engineering, 1 p.m., Room 124 Sackett. Linda Sprague on "Material Requirements Planning."
Physics/Nuclear Engineering, 3.50 p.m., Room 117 Osmond. Harold Furth, Princeton University, on "The 'Tokamac' Approach to Nuclear Fusion Power."
Computation Center, 7:30 p.m., Room 106 Osmond. JCL (4).

Friday, Jan. 21
Statistics, 12:45 p.m., Room 112 Osmond. Roy Welsch, MIT, on "Diagnostic Sensitivity Analysis in Regression."

Exhibits

Museum of Art: Contemporary Figurative Paintings from the Permanent Collection, Gallery A. Selections from the Permanent Collection, Gallery B. From Gothic to Baroque, Gallery C, through Jan. 18.
Zoller Gallery: Student Sculpture Exhibit, through Jan. 18. Student Painting and Ceramics, opening Jan. 21.
Kern Bldg. Gallery: Area II Scholastic Art Exhibit, through Jan. 16.
Chambers Gallery: Art Education Graduate Students Exhibition — mixed media.
Pattee Library, Main Foyer: Wild Orchids of State College and Other Wild Flowers — photos, drawings, and pressed material.

Meetings

Monday, Jan. 17
Color Slide Club, 7:30 p.m., Room 112 Kern.

Tuesday, Jan. 18
College of Agriculture Faculty, 4 p.m., Rooms 301 A&B, Ag. Adm. Bldg.

University schedule

Saturday, Jan. 15
Last date for final oral doctoral exams for March graduates.
Last date for March graduates to submit Master's thesis to Adviser.

Lectures

Tuesday, Jan. 18
Colloquy, William Geroway, "Crime and Punishment in America," 8 p.m., Schwab.

Wednesday, Jan. 19
Sigma XI Lecture, 12 noon, Room 101 Kern. Dr. Rosemary Schraer, associate dean for research, College of Science, on "The Dilemma Facing the University Teacher—Researcher."
Colloquy, Vincent Bugliosi, author of "Helter Skelter," on "Helter Skelter," 8 p.m., University Auditorium.

Saturday, Jan. 22
Paul Ricoeur, Universities of Paris and Chicago, on "The Function of Fiction In Shaping Reality," 3.30 p.m., Room 101 Kern.

Films

Friday, Jan. 14
International Council film, "Herakiri," 8 p.m., Room 112 Kern.

Wednesday, Jan. 19
GSA Commonsplace Theatre, "Dracula," 7:30 and 9.30 p.m., Room 112 Kern.

Tax unfair

(Continued from page one)

IRS held that the value of tuition fees waived by the University for dependents of spouses was to be treated as a scholarship under Section 117. In 1972 the IRS advised the legal counsel of the American Council on Education that pending cases involving this issue would be disposed of in a manner that would meet with the approval of the ACE. Subsequently, all the cases were disposed of by IRS dropping all claims that tuition remission was taxable income.

"Although I am not a lawyer, I am advised that under these circumstances, the regulations promulgated in 1956 have the force of law and can be changed only by Congress. It is most noteworthy that the House Report to the 1976 Tax Reform Act specifically states that the House Ways and Means Committee, assisted by the Internal Revenue Service, is to study the tax treatment of scholarships and fellowships. It seems to me that such a study is the appropriate method to address the issues raised by the proposed amendments.

"I am confident that an objective study will conclude that tuition remission is, indeed, a scholarship, and should not be considered taxable income to the employee. The compensation paid to an employee of an educational institution is determined upon the basis of services to be rendered, without reference to the availability or unavailability of tuition remission. The services rendered by the employee are not influenced by the availability or unavailability of tuition remission. There is no 'quid pro quo' required of the employee. The student must meet normal admission requirements.

"Let me give you an example to illustrate the point. Penn State awards thousands of different scholarships to its students each year. Very likely, there is a scholarship which is limited to qualified students from Centre County, Pennsylvania, where the main campus is located. Since Penn State is a large employer in the County, it is entirely possible that the Centre County scholarship could be awarded to the child of an employee. If that employee has two years of college age, it is also entirely possible that one would attend by virtue of the Centre County scholarship and one by virtue of the tuition remission scholarship. Under the proposed regulations, the employee would pay income taxes on the tuition remission scholarship, but not on the Centre County scholarship. The employee would not be required to provide a 'quid pro quo' in either case. The compensation paid the employee is not affected by the availability of either scholarship. Thus, it can be seen that the proposed regulations will require some parents to pay taxes on scholarships while many others will not have to pay, but there is no fundamentel difference between them.

"In addition, under the proposed regutations, a low-income employee would be required to pay income tax on educational services made available to his or her child which the employee would be financially unable to provide. Even with more affluent employees, the tuition rates at many of the nation's private colleges and universities are of such magnitude today that the employee might not be able to pay, particularly if there are several children in college at the same time. It seems unwarranled to adopt a regutation which generally treats tuition remission as taxable income based upon speculation that the employee would or could assume the obligation in the absence of tuition remission. . . ."

Point of view—

(Continued from page two)

Q. Do you think that by and large graduate assistants enjoy teaching?

A. Yes, I do. There are at least two aspects to their reaction. First, I think the general feeling among graduate students in the Department is that the graduate assistants are THE people in the graduate student population, that they're more in on things. If you're not a graduate assistant, you're not as much inside as you ought to be, and this reaction makes the teaching attractive. That's not necessarily a very lofty reason. Second, and more important, If you're going to be a teacher, you had better find out now if you like it and get some glimmering as to whether you're any good at it. Almost everybody who comes into graduate work in English, especially someone working for a Ph.D., is headed toward a teaching career. He or she is very nervous the first time around naturally, but also very excited about the teaching, and I get no sense of any antagonism to teaching. Indeed, quite the reverse. There are moments in a graduate student's carear when teaching responsibilities are at war with soma immediate demand — comprehensives or candidacy exams — but that's just an acute lorm of what happens, I think, to regular faculty, too. They have a deadline to meet or have promised to give a talk at a convention that's only four weeks away and have for the moment to give all their time to that demand. My guess is that the conflict between the demends of course work or of various examinations elong the route to the Ph.D. and the demands of the teaching commitment is a professional burden all productive teechers carry.

Overall, the assistantship is the best way to discover whether you really want to be a member of this profession — to find out what makes up a good part of being a professional and to decide whether those demands and goals are acceptable

News briefs

(Continued from page one)

Pleiades, and Mizar, the complex system of stars in the handle of the big dipper.

Weyl award established

The Woldemar A Weyl International Glass Science Award has been established at the University to honor the late Dr. Woldemar A. Weyl, who served on the Penn State faculty from 1944 until his retirement in 1968 as Evan Pugh Research Professor of Physical Science.

In making the award, consideration will be given to a young scientist whose research and publications in the field of glass science have shown ingenuity, initiative and innovative thinking.

The award will be made to coincide with the International Congress on Glass held by the International Commission on Glass, an event which normally occurs every three years. The stipend will defray travel and other expenses incurred during attendance at the congress by the scientist who is selected. An appropriate memento will also be provided the recipient.

Contributions from industry, foundations, friends and associates of Dr. Weyl, who died July 30, 1976, provided the initial principal of $10,000.

Geroway, Bugliosi to speak

William Geroway, a man who has spent half his life in prison, and Vincent Bugliosi, criminal prosecutor at the "Manson family" trial and co-author of the best-seller, "Helter Skelter: The True Story of the Manson Murders," will speak at the University next week as part of Colloquy's series on Crime and Justice in America. Mr. Geroway, who has twice faced the electric chair on first-degree murder charges, will speak at 8 p.m. on Tuesday, Jan. 18, in Schwab Auditorium. He will discuss "Crime and Punishment in America." Mr. Bugliosi, now in private practice, is currently working to reopen the files on Robert Kennedy's assassination. He will speak on "Helter Skelter" at 8 p.m. on Wednesday, Jan. 19, in University Auditorium.

Nature Center offers workshops

The Shaver's Creek Nature Center at Stone Valley is sponsoring a Sunday workshop series, "The Gospel of Functioning in the Natural Environment," from 1 to 3 p.m. on Jan. 16, 23 and 30. Various aspects of ropework toolcraft and direction-finding skills will be covered. Family participation is encouraged, although children must be at least nine years of age. Registrations are being taken at 865-1651.

The center is also holding an informal indoor campfire at 8 p.m. on Friday, Jan 14. There will be storytelling, singing and slide presentations, and participants are encouraged to bring their own musical instruments to join in.

Special Shaw issue out

The Shaw Review, published by Penn State's Press, has just released its January issue, a special number entitled "Shaw Around the World." It includes articles by scholars from the countries covered on Bernard Shaw's impact in Sweden, Norway, Holland, France, Portugal and Japan. The article on Sweden, by Prof. Sonja Lorichs of Stockholm University, includes the inside story, told for the first time, of how Shaw won the Nobel Prize for Literature in 1926 after more than 15 years of hostility toward him within the Nobel Committee. The review is edited by Stanley Weintraub of the University's English Department.

Women's screening clinic

A Women's Health Day Screening Clinic, designed for wives of international students and graduate students, will be held at Benedict House on Saturday, Jan 15. The clinic is sponsored by the Health Care Clinic of the Department of Nursing and the American Cancer Society, and babysitting facilities will be available. The screening will cost $2.50, and appointments may be scheduled by phoning 865-2171.

WPSX highlights

The causes and effects of poverty in California, from the black ghettos of East Oakland to the Chicano barrios of East Los Angeles, are probed on "Winners and Losers: Poverty in California," an award-winning **Documentary Showcase** presentation at 9 p.m. on Friday, Jan. 14. The program includes interviews with government officials, legislators, doctors, sociologists, and the poor themselves, beginning with itinerant workers. The program may also be seen at 4 p.m. on Sunday, Jan. 16.

The effect of highly organized competitive sports on children is the focus of "Two Ball Games" on **Americana** at 10:30 p.m. on Friday, Jan. 14. The half-hour documentary intercuts between two groups of youngsters, one playing an extremely competitive little league game, the other, a casual backyard game.

Martin Agronsky and Stanley Karnow narrate **Kissinger,** a 90-minute retrospective on the career of Secretary of State Henry Kissinger, at 9 p.m. on Saturday, Jan. 15. The program includes both new and archive film interviews with Kissinger supporters and detractors, and a conversation with Kissinger himself.

"Upstairs, Downstairs" begins its new season on **Masterpiece Theatre** at 9 p.m. on Sunday, Jan. 16. The final 16 episodes in the popular series follow the Bellamy family from the conclusion of World War I to the end of their lives at Eaton Place in 1930. The first episode of the season finds the servants worried about their job security as Richard Bellamy makes plans for the future with his new wife. "Upstairs, Downstairs" may also be seen at 8 p.m. on Thursday, Jan. 20.

The United Nations' "Habitat" conference on human settlements is the basis for **A Community Called Earth** at 9 p.m. on Monday, Jan. 17. The special documentary reports on human settlements, related issues, and how rich nations are becoming dependent on the survival of poorer nations.

Sergei Eisenstein's "October" or "Ten Days that Shook the World" is featured on **PBS Movie Theatre** at 6:30 p.m. on Tuesday, Jan. 18. Made in 1927 as part of the tenth anniversary of the Russian revolution, "October" is one of the most visually compelling films in cinema history

WPSX-TV is presenting two special programs on Inauguration Day. At 9 p.m. on Thursday, Jan. 20, **The Inauguration of Jimmy Carter,** a summary of Inauguration Day activities, including the inaugural address and motorcade, can be seen. At 10:30 p.m., **USA: People and Politics** is repeating the hour-long conversation between Bill Moyers and then-candidate Jimmy Carter.

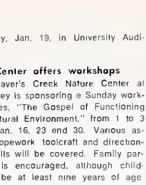
Air center head search body named

Five faculty members have been appointed by Dr. R. G. Cunningham, vice president for research and graduate studies, to serve as members of a search committee for the position of director of the Center for Air Environment Studies.

Dr. Alfred K. Blackadar, professor and head of the Department of Meteorology, and Dr. Alfred L. Bortree, professor and head of the Department of Veterinary Science, represent participating areas of interest.

The other members — Drs. Robert J. Heinsohn, associate professor of mechanical engineering (chairman); Robert L. Kabel, professor of chemical engineering; and Eva J. Pell, assistant professor of plant pathology — are faculty researchers participating in center programs.

This position, made vacant by the resignation of Dr. William J. Maroz, requires a combination of an academic administrator for the unit and a faculty member in a discipline associated with the work of the center. Proven research capability in terms of publications, and administrative-leadership qualities are of prime importance in this recruitment. The committee has been asked to recommend from two to five candidates for appointment to the position.



Johnson new UDIS director

Dr. Donald W. Johnson, associate director of instructional services and associate professor of education, has been named director of the Division of Instructional Services at the University, effective Jan. 1.

He fills the position which had been held by Leslie P. Greenhill, who retired Jan. 1 after 26 years at Penn State.

The University Division of Instructional Services, an agency of the Office of the Vice President for Undergraduate Studies, supports the instructional programs of the University through a variety of services. They include Instructional Development, Instructional Graphics, Motion Picture Services, Instructional Television, Instructional Evaluation, Still Photography, Examination Services and Commonwealth Campuses Services.

A native of Hays, Kans., Dr. Johnson received his bachelor's and master's education degree from Fort Hays, Kans., State College. His master of music education degree and his doctor of education degree in curriculum and instruction were conferred by the University of Colorado.

Prior to his appointment at Penn State in 1963 as assistant professor of educational psychology, Dr. Johnson served three years on the University of Colorado faculty and taught for five years in the public schools of Kansas. At Penn State, he has served for ten years as associate director of the Division of Instructional Services.

Awarded a Fulbright Grant in 1974, he visited the University of Chile in Santiago to work in the fields of instructional television and educational technology.

Senate receives grading report

As part of its continuing study of grade distribution, the University Faculty Senate at its Tuesday, Jan. 4 meeting received a report on grade distribution for Continuing Education courses during the 1975-76 academic year.

George W. Franz, chairman of the Senate Committee on Undergraduate Instruction, said the committee was not able to make comparisons with previous years since this was the first time that it was possible to obtain grade distributions for Continuing Education courses.

The committee report indicates that grades for courses taught through Continuing Education are higher than for courses taught through resident instruction.

Dr. Franz, however, cautioned against using the raw data for such comparisons, noting that Continuing Education students represent a totally different type of population, comprised mainly of highly motivated older students.

In other business, the Senate:

— Approved a policy providing that no course may be added for official audit or changed from credit to audit after the first 10 calendar days of a term.

— Approved changes in the Senate Standing Rules which clarify membership on the Committee on Academic and Athletic Standards and nominating procedures for membership on the Standing Joint Committee on Tenure.

— Received a proposed constitutional change on Senate voting units. Action on the proposal will be taken at the February meeting.

Staff vacancies

Staff vacancies in this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in the INTERCOM may be found in the Penn State REPORTER. All University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (between 7:45-12:00, 1:00-4:15). Applications for these staff vacancies will be received until 5 p.m., **Jan. 20, 1977. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

RESEARCH AIDE, AGRICULTURE — University Park

Train and supervise the work of hourly employees on a seasonal basis. Assist and give training in plant breeding practices to graduate students. Design and establish various kinds of field, greenhouse and laboratory experiments for evaluating breading performance of selected plants and experimental strains. Summarize and statistically analyze data through the use of computers and calculator. Collect data by measurement and subjective assessment to evaluate breeding stocks and varieties. Bachelor's degree in agriculture or its equivalent, plus 6 to 12 months' experience in plant science research

PROGRAMMER ANALYST, AGRICULTURE — University Park

Develop computer programs to operate plant research computers and to manage, collect, process, display and retrieve data on both (a) mini and large scale computers. Modify and improve programs supplied by cooperating information projects and agencies. Design and implement computer-to-computer communications with other projects. Specify and develop computer programs and micro-processor systems for computer controlled instruments for laboratory technology applications. Bachelor's degree or its equivalent in computer science or related areas, plus one to two years of directly related experience

AREA REPRESENTATIVE — Ogontz

Responsible for the functions of development, organization, operation and administration of Continuing Education programs and services within assigned geographic district. Bachelor's degree or equivalent, with two to three years of directly related experience in business, industry or education.

ATHLETIC EVENTS COORDINATOR, HEALTH, PHYSICAL EDUCATION & RECREATION — University Park

Obtain and supervise personnel for various services at all athletic contests where required, to include guards, parking attendants, first aid, concession employees and food, ticket takers, ticket sellers, parking counters and scoreboard operators. Responsible for arranging for University services at all athletic events including ticket, electrical, security, carpentry, and physical arrangements. Control training table, room assignments for grant-in-aid athletics and book distribution for University bookstore to athletics. Bachelor's degree, or equivalent, preferably with a major in business, plus one to two years of directly related experience.

Funding sources

For further information, call 865-1372

(254-1) Draft announcements for the NSF Science for Citizens program have been published. The program has 15 "residencies" for experienced scientists and engineers who will participate in public service science activities aimed at (1) improving the public understanding of science, engineering and technology. The projected deadline for applications is May 31. (Ref. 41FR53562-5, 12/30/76) (CFDA 13.449)

(254-3) Educational research and development grants have been announced by the Ford Foundation in the areas of instruction, administration, and physical facilities (use and design). Closing dates are March 1, June 1, Sept. 1, and Dec. 1 (Ref. local announcement)

(254-4) The National Institute for Corrections has issued its Annual Program Plan for FY1977. Concept papers are solicited in the areas of training, research and evaluation, policy standards, implementation, and technical assistance. Additional programs are funded including LEAA training programs. Concept papers are reviewed March 15, June 15, Sept. 15, and Dec. 15. (Ref. local announcement)

(254-5) Novel research ideas are being encouraged under ERDA's Fossil Energy "Short Grants." Up to $20K/year for two years in the form of 20 grants is available for new ideas or for deriving energy from coal. April 1 is the deadline. (Ref. ERDA 76-55)

FELLOWSHIPS

(For further information inquire at 317 Kern, ext. 1214)

(254-6) John Simon Guggenheim Memorial Foundation — young faculty members

(254-7) American Congress on Surveying and Mapping — Jan. 15

Berks to get plaza

Construction will begin early this spring on an outdoor plaza adjacent to the Library of the Berks Campus. The plaza will be a many-sided area composed of concrete rectangles, shaped to fit into the gently graded terrain at the entrance of the Library. It will feature three large planters and seven permanent contour wooden benches. Landscaping will be added later.

From the trustee docket

Ulerich, Williams re-elected

William K. Ulerich, of Clearfield, newspaper publisher and broadcasting executive, has been re-elected to his second one-year term as president of the Board of Trustees, and J. Lewis Williams, of Uniontown, was re-elected to a second term as vice-president. Mr. Ulerich has



W. K. Ulerich

served as a trustee from 1951 to 1957 and since 1964, while Mr. Williams has been a Board member since 1955.

Also re-elected Saturday were Dr. Oswald, as secretary; and Robert A. Patterson, senior vice-president for finance and operations and treasurer, as treasurer. Other staff personnel named again to one-year terms were Dr. Richard E. Grubb, associate secretary; Patricia L. Rosdil and Mary Lou McCorkle, assistant secretaries; and Richard H. Baker, assistant treasurer.

Trustees newly elected to the Executive Committee were Walter J. Conti, Doylestown; Barbara Hackman Franklin, Washington, D.C.; Stanley G. Schaeffer, Pittsburgh; Charles W. Shaeffer, Baltimore, Md.; J. Luther Snyder, Camp Hill; and Dion C. Stewart, State College.

Re-elected to the committee were Michael Baker, Jr., Beaver; Dr. Helen Davies, Philadelphia; Ralph Hetzel, Enclno, Calif.; G. Albert Shoemaker, Pittsburgh; and Dr. Helen D. Wise, State College. All are for one-year terms.

The president of the board and president of the University serve as ex officio members of the Executive Committee.

A 1931 graduate of the University honored in 1969 as a Distinguished Alumnus, Mr. Ulerich is publisher and president of The Progress, Clearfield, and the Danville News in Danville, and chief executive officer of four community AM radio stations and four community FM radio stations in Clearfield, State College and Indiana, Pa., and Naples-Marco Island, Fla. Mr. Williams, who had been a dairy farmer and farm machinery dealer, is a 1927 graduate of Penn State's two-year course in agriculture and a 1970 Distinguished Alumnus.

Undesignated funds assigned

An allocation of $16,100 in undesignated gifts contributed to the University through the Office of Gifts and Endowments by alumni and friends has been approved by the Board. Nearly half of the amount, $8,000, will help to support the Alumni Memorial Scholarship program, which was started in 1953.

The amount of $5,000 will provide equipment for the Anthropology Museum to help to make more available and useful its extraordinary collection of artifacts of Afghanistan, Mexico, and the Middle East. Also, $1,500 will help to support the Career Counseling Conference and Information Center in the College of the Liberal Arts. Both of these projects are seeking direct support from alumni, and the funds authorized by the Board will be used as challenge-matching funds.

The remaining $1,600 authorized will be distributed among Commonwealth Campuses to help to sponsor awards dinners to honor recipients of Bayard D. and Ethel M. Kunkle Scholarships, which provide aid for undergraduates at the Commonwealth Campuses, Behrend College, and Capitol Campus.

Two hangars authorized

Final plans and authorization for construction of two hangars at the University Park Airport have been approved by the trustees. The Board's action marks another step toward making the airport better and safer for the region.

"The University has been working for years to improve the effectiveness of the airport," said President Oswald "We are committed, not to expansion, but to improving present and future services for area residents."

To help accomplish this, additional hangars are needed. Each of the two new hangars will contain six T-shaped spaces for the storage of aircraft. One building will provide space for six large twin-engine aircraft and the other for six small twin or single-engine planes.

Space in one of the new hangars will accommodate the University staff aircraft, making possible assignment of the space vacated for Pennsylvania Commuter planes. The availability of hangar space for the commuter aircraft will assist the operators in the providing of reliable air transportation for the State College-Bellefonte area.

Current users of the University Park airport also will benefit from the new hangars, it is explained. A survey of these users has indicated that spaces for at least 18 additional aircraft could be rented.

The action by the Board Saturday authorized expenditure of not more than $175,000 for the project to be repaid from hangar rental income. It also authorized officers of the University to award construction contracts.

(Continued on page four)

Physical facilities planning group appointed

A ten-member Physical Facilities Planning and Review Commission has been appointed at the University to revise plans for the University's long-range capital program in response to the changing needs and conditions of the next decade.

President Oswald announced the appointment of the Physical Plant Committee to the Board of Trustees last Friday, noting that all of higher education, including Penn State, has entered a new period quite different from the past two decades.

The Commission will conduct a thorough review of Penn State's physical plant resources, needs, construction commitments, capital program plans, and associated operating cost implications.

Emphasis in the University's capital program, President Oswald said, needs to be redirected from expansion to renovation, upgrading, and selective replecements or additions.

"We foresee continued escalation of energy costs, with a commensurate impact on physical plant operating expense," Dr. Oswald added. "At the same time, the University's facilities needs will continue to change. Some needs presently are not adequately provided for.

"In this changing environment it is important that we seek maximum efficiency in our planning and utilization of physical facilities. The major goals of a revised program will be to increase flexibility to respond to changing program needs, to improve operating economies, and to keep pace with technicet developments affecting research and instruction programs."

Dr. Stanley O. Ikenberry, senior vice-president for University development and relations, will serve as commission chairman.

The commission will prepare a proposed revised program for long-range physical facilities development and modifications, by campus and by fiscal year, 1977-78 through 1986-87.

Dr. Ikenberry said the study group will review a number of areas, including:

—Operating budget requirements for additional facilities now under construction or approved for construction.

—Requirements for essentiet major maintenance projects to maintain current buildings and grounds in sound condition.

—Methods to increase efficiency and minimize costs in operation and maintenance of buildings and grounds.

—Space needs of the various academic, support, and administrative components of the University to insure that the highest priority space needs are met.

Faculty members named to the commission by President Oswald, on the recommendation of the University Faculty Senate, are Louis P. Inserra, associate professor of architecture, Dr. Lee W. Saperstein, associate professor of mining engineering; and Dr. Rosemary Schraer, professor of biochemistry and associate dean for research in the College of Science.

Others named to the commission, in addition to Dr. Ikenberry, are Dr. Richard G. Cunningham, vice-president for research and graduate studies; Dr. Henry J Hermanowicz, dean of the College of Education, Chalmers G. Norris, director of planning and budget officer; Dr. Carson W. Veach, director of the Attoona Campus; Dr William A. Weidner, professor and chairman of radiology at Hershey, and Ralph E Zilly, vice-pres.dent for business.

Staff members assigned to assist the commission are Dr. James R. Dungen, director of planning services in the Office of Budget end Planning; Henry L. Yeegley, assistent vice president for physical plant; and George L. Thuering, director of management engineering.

PENN STATE
intercom
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News in brief

United Way goal reached

Penn State has reached its goal of $87,000 for the 1976-77 United Way Campaign. Of the $87,029 received, more than half was pledged through the payroll deduction option.

IRS withdraws tax plan

The International Revenue Service announced last week that its proposal to tax tuition remission plans has been withdrawn. The move was unexpected, since IRS Commissioner Donald Alexander had told a group of educators who testified against the plan that the IRS would not make a hasty decision. President Oswald, who was one of those testifying, said of the move:

"I am pleased that the IRS has withdrawn its proposal to tax tuition remission.

"When I testified in Washington against the proposal, I expressed confidence that an objective study would conclude that tuition remission is, indeed, e scholarship, and should not be considered taxable income to the employees of Penn State end other colleges and universities. Apparently the IRS has reached e similar conetusion."

Model UN to be held

Two United Nations delegates from South Africa and Malawi respectively will address the opening session of the University Model United Nations General Assembly at 8 p.m. on Friday, Jan. 28, in the HUB auditorium.

They will present their country's viewpoints on the "Apartheid" racial policies in South Africa and the question of South-West Africa or Namibia. These topics will be the main egenda items of the Model United Nations Assembly, which will continue its sessions on Saturday and Sunday, Jan. 29-30.

The Model U.N. Assembly will comprise about 25 delegations of two students each. Various student organizations are sending delegations, and some individuat students

(Continued on page three)

All-electronic phone system on tap in '77

Penn State's telephone system, including both administrative telephones and those in campus residence halls, will be converted to an all-electronic system served from the new Bell Telephone Central Office in State College.

"The present system, instituted in 1959, is limited to 5,985 individual lines and a total of 10,355 numbers," explains Ralph E. Zilly, vice-president for business, "and during the past year the system reached the point of exhaustion.

"It is not practical to extend the system to meet present and future needs. The new system, known as Centrex I, will provide unlimited line capacity and also can be changed to utilize whatever electronic system is developed in the future."

Under the new system, students living in campus residence halls will have a telephone in each room and, if they sign an agreement to accept responsibility for the tolls, will be able to dial long distance calls direct from their room telephones. They would be billed for such calls by the telephone company and make payment to the company.

Under the current system, one hallway telephone serves four adjoining rooms, with each room assigned its own number. There is no provision for making long distance calls from these four-party lines.

D. Lewis Mothersbaugh, director of printing and communication services, and June G. Beatly, manager of telecommunication services, worked out much of the detail with Bell personnel, and they are hopeful the conversion can be completed by the end of 1977.

In addition to meeting the growing needs of the University, the new system will make possible transfer within the sys-

(Continued on page four)

Faculty Club appeals decision

The Faculty Club will continue to pursue its efforts to obtain a club liquor license and will appeal the recent decision of the Centre County Court denying the Club's application for a license, according to club president Donald R. Olson.

Dr Olson noted that the decision to appeal was made after a consideration of many factors, including the impact, if any, on the community if the Borough is determined to be a "resort area."

"It is unfortunate," he said, "that the legal terminology of 'resort area' conjures a negative image for many people which is not appropriate to the present case. It means an area where there is an influx of transients during certain seasons of the year which increases the population so existing licenses cannot adequately meet the needs of the area.

"Use of the Nittany Lion Inn was also considered," Dr. Olson continued, "but this would require the club to serve the general public. The Faculty Club needs a club liquor license and these needs are the same as those of the other clubs in the Borough that hold club liquor licenses.

"We are particularly encouraged that the Centre County Court decision did state that there was a need for the club to have a license The classification of the Borough as a 'resort area' will be the central issue of the appeal, and the evidence is much the same as that used with Harris Township some years ago."

PENN STATE COLLECTION

Faculty notes

Dr. Samuel H. Smith, professor of plant pathology, has been named head of the Department of Plant Pathology, succeeding Dr. James Tommen, who resigned June 30. Dr. Smith received his B.S. and Ph.D. at UC-Berkeley in plant pathology and served four years there as an assistant professor before coming to Penn State in 1969.

His research interests have been in the field of plant virology and he has been author or co-author of more than 90 papers in this field.

Archie Loss, head of the Division of Arts and Humanities at Behrend College, moderated e special session on the work of British playwright and actor Noel Coward at test month's convention of the Modern Language Association in New York. Discussants included Charles Bowden, producer and director; Paula Laurence (Mrs. Charles Bowden), actress; Brendan Gill, Broadway drema critic of The New Yorker; and Williiem Marchant, pleywright and scenarist.

Richard E. Bland, associate professor of engineering research and special assistant to the Director of the Applied Research Laboratory, has been chosen to serve a three-year term es chairman of the Evelueticn Panel of the National Bureau of Standerds' Center for Fire Research.

Dr. Edwin L. Herr, professor and head, the Divisnn of Counseling and Educetional Psychology and University Director of Vocational Teacher Education, is the author of "Schools end Careers" recently published by McGraw-Hill Book Company. This text.workbook is one of a seven-volume series, supplemented by filmstrips and cassettes, dealing with career core competencies. Dr. Herr elso serves as consulting editor for the series.

Dr. Anthony F. Land, assistant director for resident instruction et Schuylkill Campus since 1969, has been appointed associate director for academic affairs at the Campus. Dr. Land holds an associate degree in engineering and a B.S. in engineering science, both from Penn State. He has an M.S. in engineering science from Rensselaer Polytechnic Institute and en Ed.D. from Lehigh University with a major in higher education. Dr. Land holds the academic rank of assistant professor of physics.

Dr. James Kingsland, assistant professor of political science, is the author of an article, "Divisional Development Planning in Zambia: The Early Stage," published in the Feboruery issue of Planning and Administration.

Dr. Norman Freed, associate professor of physics, was invited to present a talk at the symposium on Intermediate Energy Electromagnetic Interactions with Nuclei at MIT's Bates Linear Accelerator Laboratory earlier this month. Dr. Freed is a member of the external advisory committee charged with surveying the entire field of electromagnetic interactions with nuclei in order to determine the research directions the Bates Laboratory should take through the mid-1980's.

Dr. Taeho Kim, assistant professor of economics et Behrend College, presented e paper, "Commodity Inventories as a Foreign Exchange Risk Management Tool," at the annual meeting of the Academy of International Business held recently in New York.

Dr. Elliot Vesell, chairman of pharmacology at Hershey, has recently edited his sixth medical book, "Interactions of Drugs of Abuse," published as Volume 281 of the Annals of the New York Academy of Medicine.

Dr. Sigmund S. Birkenmayer, professor of Slavic languages, has been elected treasurer of the Association for the Advancement of Polish Studies. He served as the president of the same organization in 1973-1976.

Alice M. Hoffman, associate professor of labor studies, spoke at an oral history seminar at the Radcliffe Institute on "Oral History: Is It Reliable and if Reliable Is It Valid?"

Dr. Gordon F. De Jong, professor of sociology and associate director of the University's Population Issues Research Office, presented the opening address on Jan. 17 at e three-day conference sponsored by the Pennsylvania General Assembly. Dr. De Jong discussed "Population Change and the Shape of Pennsylvania's Future" et the Benjamin Franklin Symposium, held at Harrisburg Area Community College. Dr. De Jong's paper dealt with Pennsylvenia's essentiality no-growth population and the implications that holds for the future. The symposium was designed to ecquaint legislators and the public with expert information about the complex, interrelated issues and problems concerning the State, its people, economy and resources.

Dr. Daniel Walden, professor of American studies, is the author of two recently published articles. "Three Cases of Literary Antisemitism," a study of Shakespeare's 'The Merchant of Venice,' T. S. Eliot's essays, and Philip Roth's novels, was published In Sh'ma. "Flannery O'Connor's Dragon: Vision in 'A Temple of the Holy Ghost,'" co-authored with Jane Salvia, appeared in Studies in American Fiction 4 (Autumn, 1976). Dr. Walden also gave invited talks ef en Ethnic Studies Conference at West Chester College, where he spoke on "Wright, DiDonato and Henry Roth: Three Aspects of Mediation In Literature," and et the Modern Language Association Convention in New York, where his talk was titled "The Many Faces of Philip Roth."

Dr. Marshal W. Raffel, professor of health planning. Is the author of an article in the New Zealand Journal of Public Administration. His article, "The White Peper-An Exercise in Divisive Planning," is the result of Dr. Raffel's research visit to New Zealand in May 1975. It reviews and critiques the New Zealand Government's White Paper to reorganize the health services. Dr. Raffel also is the author of an article, "Baccelaureate Training in Health Planning and Administration," in Public Health Reports.

Retirement

Harvey W. Sarven, associate professor of engineering at the Ogontz Campus, retired on Jan. 1 after 21 years of service.

Appointed instructor in engineering in 1955, he had formerly been head of the mathematics department at Bordentown Military Institute in New Jersey. In addition to teaching, his career has included service with municipal governments, the Pennsylvania Turnpike Commission, and the U.S. Corps of Engineers. From 1940-46 he was a navel architect with the U.S. Navy Department in Philadelphia.

Prof. Serven received his B.S. in civil engineering from Newark College of Engineering end his M.A. in mathematics from Columbia University. The author of several correspondence courses in engineering technology, he has recently been readying for publication a book of problems in statistics.

Appointments

Dr. Saeed A. Khokhar, an assistant professor at the University of Islamabad, Pakistan, has been appointed research assistant in the Department of Veterinary Science. He received his B.S. in veterinary surgery and medicine from the University of Punjab, Lahore, Pakistan, his M.S. in human nutrition from the University of Hawaii; and a Ph.D. from Penn State. Dr. Khokhar has previously served as a research assistant at Penn State.

Edsel G. Crenshaw, a former instructor in electrical engineering, has been appointed research associate in ARL. He has a bachelor of electrical engineering degree, master of electrical engineering degree, and master of engineering degree, all from the University of Louisville, and is currently working toward a Ph.D.

Obituaries

Westey P. Winter, 65, who retired in 1975 as associate professor of industrial engineering, died Jan. 15. He had served on the faculty from 1947 until his retirement. He was a graduate of Penn State with B.S. and M.Ed. degrees.

Dr. Roy D. Anthony, 92, professor emeritus of pomology, died Jan. 15. He served on Penn State's faculty from 1919 until his retirement in 1949. Dr. Anthony was later mayor of State College. He was a graduate of the University of Rochester and also held B.S., M.S. and Ph.D. degrees from Cornell University.

Funding sources

Call 865-1372 for further information

(255-1) The U.S. Department of Labor has published the grant cycle schedule for Titles I and II of the **Comprehensive Employment and Training Act,** including the summer youth program (Ref 42FR6502-64, 1/4/77)

(255-2) NSF is seeking applications for development and support of **Scientific and Technical Manpower Forecasting Activities.** The FY 1977 deadline is March 15. (Ref, Science Resource Studies/ NSF 76-12)

(255-3) The Office of Education announces a March 10 deadline for applications to the **Consumers' Education Program.** (Ref 42FR1076-77, 1/5/77) (CFDA 13.564)

(255-4) The National Institute of Education has proposed regulations for **research on organizational processes in education.** To be supported are basic studies of elementary and secondary school administration and management. Both regular and small grants will be awarded. Closing dates will be announced. (Ref. 42FR 1044-49, 1/5/77) (CFOA 13.950)

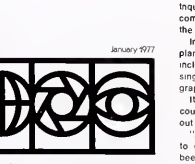
(255-5) The Office of Education announces a March 1 deadline for the elementary and secondary **Arts Education Program.** The program includes inservice training, use of arts resource personnel, visiting artists, arts institutions, technical assistance and training of personnel (Ref 42FR1516-17, 1/7/77) (225-5) (CFOA 13.565)

(255-6) The Office of Research and Development of the U.S **Environmental Protection Agency (EPA) has published a FY1977 Program Guide,** fundsetter or encyclopedic directory, discussion of the research program — health, energy, industrial processes, public sector and technical support — and grant and contract activities (Ref ibid)

History of Photography journal launched

History of Photography an international quarterly

January 1977



Photography celebrated an important anniversary last summer: it was 150 years since the Frenchman Joseph Niepce succeeded in producing what most scholars regard to be the first photograph.

A reproduction of the picture and an article by its discoverer, the redoubtable Helmut Gernsheim, considered to be preeminent in the field of photographic history, is the first offering of the first issue of a first-of-its-kind journal, "History of Photography."

The journal's first quarterly issue appeared this month. It is published by the prestigious London firm, Taylor and Francis Ltd., and is the brainchild of Penn State professor of the history of photography Heinz Henisch, who edits the new publication.

Dr. Henisch is careful to stress the research orientation of the publication.

"If has no journalistic or popularizing functions," he says. "Rather, it will report research related to the aesthetic, sociological, technical and scientific aspects of the history of photography, with the emphasis entirely on new findings.

"There have always been scholars engaged in historical studies relating to photography," Dr. Henisch explains, "but until recently most of them have been amateurs. As more professionalism developed in the field, many of us felt that there was a need for a publication medium in which we could share the results of our research. That's the function of the new journal."

Dr Henisch hopes his involvement with the journal will help research efforts in the history of photography at Penn State.

"We are also in a particularly good situation here to carry out scientific research in the field," he says. 'There is a great need for investigations into the technicet espects of ancient photographic processes, and, what is even more pressing, new means for conservation of photographs need to be worked out." (Dr. Henisch himself holds appointments in art history and physics at the University.)

To assist him in putting together the journal, Dr. Henisch has assembled an International Advisory Board. The international character of the publication is regarded as essential to its success, and its publishers already have distribution agents for it in many countries including Austria, Japan, America, and the United Kingdom. Inquiries and unsolicited manuscripts are coming to Dr. Henisch from throughout the world.

In addition to the dozen or so articles planned for each issue, the journal also includes book reviews and "vignettes," single-page features consisting of e photograph and accompanying explanation.

Illustrations of many types, including, of course, many photographs, abound throughout the publication.

"A great deal of attention has been paid to graphic design, but equet pains have been taken to avoid the eura of the 'coffeetable' publication," says Dr. Henisch. "The idea was to design something that is equally attractive to the scholar and the aesthete."

The cover design — the work of Lonny Sommese, associate professor of art at the University — has attracted the attention of at least one enthusiastic reader, who has coupled the journel's pristine appearance with its acronym and affectionately labelled the whole effort "the great white HoP."

From the Penn State Press

Donald S. Heintzelman. 100 pages, 89 illustrations. Cloth and paperback editions.

This book is designed to till the need of ornithologists and bird watchers for a field guide to hawk watching in the Eastern area of the United States. Since many of the most important hawk lookouts are located in this region, the book will be of use to both amateur and professional birdwatchers. It includes details of flight identification of the species seen at the lookouts, flight illustrations of all species, explanations of the migration patterns, migrations work, suggestions for essential equipment, and directions for visiting lookouts. The author has been associate curator of natural science at the William Penn Memorial Museum and curator of ornithology at the New Jersey State Museum

European Paintings in the Toledo Museum of Art: A Comprehensive Catalogue of 488 Paintings by Otto Wittmann. Editorial Chairman. 400 pages, 444 illustrations, 12 in color. Cloth and paperback editions.

Toledo's Museum includes works by leading painters of all periods, among them Rubens, Rembrandt, Poussin, Watteau, El Greco, Manet, Cezanne, Picasso and many others. This volume provides heretofore unpublished information on many of the paintings and highlights the dramatic growth of the collection. The text, arranged alphabetically, provides a separate entry for each painting, including a biography of the artist, provenance of the painting, current bibliography and critical discussions of scholarly references, attributions and iconography. The plates are arranged chronologically by country, providing a comprehensive view of the collection.

University Park Calendar

January 21–30

Items to be included in this calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special events

Friday, Jan. 21
Artists Series, Philadelphia Composers' Forum, 8:30 p.m., Schwab.
University Theatre, "A Taste of Honey," 8 p.m., Pavilion Theatre.
Experimental play, "The Gas Heart," 7:30 and 9 p.m., HUB assembly room.
Saturday, Jan. 22
Sports: Men's basketball, vs. Villanova, 7:30 p.m.; men's and women's rifle, vs. Indiana (Pa.), 2 p.m., wrestling, vs Clarion, 2 p.m.
Campus 4-H Club Square Dance, 7:30 p.m., HUB ballroom.
Experimental play, "The Gas Heart," 7:30 and 9 p.m., HUB assembly room.
University Theatre, "A Taste of Honey," 8 p.m., Pavilion Theatre.
Sunday, Jan. 23
PSOC Hiking Division, mystery hike, 9 a.m., HUB parking lot.
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. David L. Hadden, Presbyterian Church, State College
Black Christian Fellowship worship service, 11:15 a.m., Multi-Purpose Room, Eisenhower Chapel. Pastor Gerald G. Loyd.
Sports: Men's volleyball, Nittany Lion International, 8 a.m., Rec. Hall; hockey vs. Lehigh University, 7:30 p.m.
Exposition, Student Paintings and Ceramics, 9-5 p.m., Zoller Gallery.
Fran Moskovitz, flute, 3:30 p.m., Music Bldg. recital hall.
Shaver's Creek Nature Center workshop, "The Gospel of Functioning in the Natural Environment," 1-3 p.m., Stone Valley Recreational Area
Jazz Festival, Dance Band, 8 p.m. HUB ballroom.
Monday, Jan. 24
Jazz Festival, Paul Robeson Dancers, 12 noon, HUB ballroom.
Montreux Jazz Festival videotape, 12 noon-4 p.m., HUB Gallery.
Brubeck Concert, 8 p.m., University Auditorium.
Tuesday, Jan. 25
Comp. Lit. Luncheon, 12:15 p.m., Faculty Club
Jazz Festival, Stage Bands, 1 p.m., HUB ballroom; Montreux Jazz Festival videotape, 12-4 p.m., Kern lobby.
University Theatre, "A Taste of Honey," 8 p.m., Pavilion Theatre.
Free Jazz Concert, Jack DeJohnette and John Abercrombie, 8 p.m., University Auditorium.
Wednesday, Jan. 26
Jazz Concert, 12 noon, Kern lobby; Jerry Loyd Ensemble, 2:30 p.m., Room 101 Kern.
Montreux Jazz Festival videotape, 12-4 p.m., HUB Gallery.
Jazz Coffeehouse, 8 p.m., Room 301 HUB.
University Theatre, "A Taste of Honey," 8 p.m., Pavilion Theatre.
Musica da Camera, 8:30 p.m., Music Bldg. recital hall.
Thursday, Jan. 27
Montreux Jazz Festival videotape, 12-4 p.m., Kern lobby.
Jazz workshop and concert with Karl Berger and Dave Holland, 3 p.m., North Lounge, HUB
Women in Communications and University Readers, "Women In Literature — Past, Present and Future," a dramatic reading, 8 p.m., Room 112 Kern.
University Theatre, "A Taste of Honey," 8 p.m., Pavilion Theatre.
Jazz Festival, Berger-Holland Trio, 8 p.m., University Auditorium.
Friday, Jan. 28
Rec. and Parks Dept Career Conference, 8 a.m.-5 p.m., HUB ballroom.
Jazz Concert, John Lace Quintet, 12 noon, Kern Lobby.
Montreux Jazz Festival videotape, 12-4 p.m., HUB Gallery
University Model United Nations Assembly, opening session, speakers from the United Nations on the question of South Africa, 8 p.m., HUB assembly room.
University Readers and Women in Communications, "Women in Literature — Past, Present and Future," a dramatic reading, 8 p.m., Room 112 Kern.
Sports: Hockey vs. Penn JV, 7:30 p.m.
University Theatre, "A Taste of Honey," 8 p.m., Pavilion Theatre.
Carla Smith, piano, and Laurl Mong, piano, 8:30 p.m., Music Bldg. recital hall.
PSOC cabin party at Watts Lodge in Shingletown Gap — to Sunday, Jan. 30.
Saturday, Jan. 29
University Model United Nations Assembly, all day starting 9 a.m., Rooms 323, 324 HUB.
Rec. and Parks Career Day Conference, 8 a.m.-5 p.m., HUB ballroom.
Sports: Women's basketball, vs Indiana (Pa.), 2 p.m.; men's basketball, vs. Pittsburgh, 8 p.m.; men's swimming, vs. Edinboro, 2 p.m.
University Theatre, "A Taste of Honey," 8 p.m., Pavilion Theatre.
Sunday, Jan. 30
Chapel Service, 11 a.m., Eisenhower Chapel. Mahmoud Rashdan, Muslim Student Association of U.S. and Canada
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel Multi-Purpose Room. Elder John Loyd.
University Model United Nations Assembly, all day starting 9 a.m., Room 323, 324 HUB.
Shaver's Creek Nature Center workshop, "The Gospel of Functioning In the Natural Environment," 1-3 p.m., Stone Valley Recreation Center.
Sports: Hockey, vs. University of Delaware, 7:30 p.m. Mid-Atlantic Collegiate Hockey game.

Seminars

Friday, Jan. 21
Statistics, 12:45 p.m., Room 112 Osmond Roy Welsch, MIT, on "Diagnostic Sensitivity Analysis in Regression."

Monday, Jan. 24
Physics, 3:55 p.m., Room 108 Tyson. David Mbah on "Chapter 16 from 'Cytoplasmic Genetics and Evolution' by Paul Gran: Other Cytoplasmically Inherited Disorders of Vertebrate Animals."
Biochemistry-Biophysics, 3:55 p.m., Room 101 Althouse. David Lineback, Food Science, on "Cereal Starch Structure."
Computer Center, 7:30 p.m., Room 106 Osmond. JCL(5).

Tuesday, Jan. 25
Environmental Design and Planning, 9:35 a.m., Room 318 Sackett. A. Mark Battaglia on "Classification of Landscape Settings for Regional Planning."
Plant Pathology, 9:45 a.m., Room 213 Buckhout. Ingen Sulaiman on "Bacterial Blight of Rice."
Food Science, 11:10 a.m., Room 201 Borland. Dalal Jurdi on "Poultry Meat Tenderness."
Surface Science, 11:10 a.m., Room 339 Davey. T. Sakauri, Physics, on "Co Chemisorption on Si and Ge Surfaces."
Analytical Chemistry, 1 p.m., Room 333 Whitmore. Wendell J. Brattlie on "Field Flow Fractionallon Methods."
Water Pollution Control, 2:20 p.m., Room 124 Sackett. Donald A. Lazarchik, DER, Harrisburg, on "Ultimate Sludge Disposal Methods and How They Affect the Design and Operation of Municipal Sewage Treatment Plants."
Englsh, 8 p.m., Reading Room HUB Alan Price, Hazleton Campus, on "The Process of Composition of 'The Age of Innocence' by Edith Wharton."
Inorganic Chemistry, 8 p.m., Room 333 Whitmore Arnold Synder on "Review of the Cytochrome C System."
Wednesday, Jan. 26
Biology, 4 p.m., Room 8 Life Sciences Leo J. Hickey, Smithsonlan Institution, on "Fossil Evidence on and Early Evolution of the Flowering Plants."
Fuel Science, 4 p.m., Room 301 Mineral Industries. Dr Edward Kansas, U.S. Bureau of Mines, Pittsburgh, on "Mathematical Modeling of Heterogeneous Coal Dust Combustion."
Thursday, Jan. 27
Ceramic Science, 11 a.m., Room 301 Mineral Industries. Thomas P. O'Holleran on "Fine Powders by Evaporative Decomposition of Solutions."
Chemistry, 12:45 p.m., Room 333 Whitmore. David G. Whitlen, University of North Carolina, on "Photochemistry of Chromophores Incorporated into Fatty Acid Monolayers."
Bioengineering, 1:30 p.m., Room 103 Mechanical Engineering. Dr. Joseph Migliore, Hershey Medical Center, on "The Penn State University Left Heart Assist Pump In Experiment Left Heart Failure."
Physics-Astronomy, 3:50 p.m., Room 117 Osmond. P. van Nieuwenhuizen, SUNY, Stony Brook, on "Recent Developments in Ouantum Gravitation."
Meteorology, 4 p.m., Room 26 Mineral Sciences. Roy Greenfield, Geophysics, on "A Non-Linear Gravity Wave Observed In Nittany Valley."
Microbiology & Cell Biology, 4 p.m., Room 32 Frear. Steven G. Gilmor on "Detection of Human Serum Antibody to Herpes Simplex Virus Antigens by the Indirect Enzymene-Linked Immunosorbent Assay (ELISA)."
Philosophy, 4 p.m., Room 173 Willard. Kenneth Dorter, University of Guelph, on "Truth and Philosophy"
Computation Center, 7:30 p.m., Room 106 Osmond. JCL(6).

Lectures

Saturday, Jan. 22
Paul Ricoeur, Universities of Paris and Chicago, on "The Function of Fiction in Shaping Reality," 3:30 p.m., Room 101 Kern.

Friday, Jan. 28
Martin Williams, Smithsonian Institution, on "Where's the Melody?", 2 p.m., Room 101 Kern.

Films

Monday, Jan. 24
France Cinema, "The Umbrellas of Cherbourg," 7 and 9 p.m., Room 112 Kern.
Wednesday, Jan. 26
Artists Series Film Festival, Truffaut, "The Bride Wore Black," 8 p.m., University Auditorium.
GSA Commonspace Theatre, "The Forbln Project," 7:30 and 9:30 p.m., Room 112 Kern.

Exhibits

Museum of Art: Contemporary Figurative Paintings from the Permanent Collection, Gallery A. Selections from the Permanent Collection, Gallery B. The Material Dominant (some current artists and their media), Gallery C, opens Jan. 29
Zoller Gallery: Student Painting and Ceramics, opens Jan. 21.
Chambers Gallery: Art Education Graduate Students Exhibition — mixed media, through Jan. 27.
Robeson Cultural Center: "Where the Music Started," an exhibit from Rutgers University Institute of Jazz Studies, through Jan. 28.
Kern Bldg. Gallery: Macrame by Ingeborg Miller and American Beer Cans.
New Kensington Campus Gallery: Photographs by John L. Alexandrowicz.
Pattee Library, main foyer Wild Orchids of State College and Other Wild Flowers

Arts roundup

Orchestra of Our Time

The Orchestra of Our Time, a 30-piece chamber group recently formed by the Philadelphia Composers' Forum, will present a concert at 8:30 p.m. on Friday, Jan. 21, in Schwab Auditorium as part of the Artists Series' Fine Arts program.

The orchestra will be conducted by its musical director, Joel Thome, who studied with Nadia Boulanger and Pierre Boulez and who has appeared with various orchestras both here and abroad. The program includes Mr. Thome's "Time Spans"; "Here We Are Now with Watchers" by Lucia Dlugoszewski, the orchestra's resident composer; and a recent work, "Songs, Drones and Refrains of Death" by the Pulitzer Prize-winning composer George Crumb. The latter piece is the largest in conception and the most intensely dramatic composition in the extended cycle of works based on the poetry of Federico Garcia Lorca.

Tickets for the concert are presently on sale at the HUB Booth from 9 a.m. to 4 p.m.

In addition to their concert, the orchestra members will offer seminars, workshops and lecture-demonstrations Jan. 20-21, and Ms. Dlugoszewski will conduct a master class in composition. These are public events, and information about them may be obtained by calling 865-1671.

The Philadelphia Composers' Forum, now in its 23rd year, is considered one of the world's major groups dedicated to the performance of contemporary music.

Truffaut series continues

The Artists Series Wednesday Film Series, "Truffaut — Retrospective," continues on Jan. 26 with "The Bride Wore Black." The screening is at 8 p.m. in University Auditorium. In this brilliant suspense film, a man is shot leaving church on his wedding day. After the murder, the bride, played by Jeanne Moreau, devotes her life to the liquidation of those responsible. Although dedicated to Hitchcock, the film is actually a gentle comedy. Tickets, at $1 for non-students, are available at the door.

Two theatre productions

Tickets and information for "The Beggar's Opera" by John Gay are available at the Playhouse box office, along with tickets to the first winter season production, "A Taste of Honey" by Shelagh Delaney.

The latter drama opens today, Jan. 20, and continues through Jan. 22. It will also be offered Jan. 25-29 in the Pavilion Theatre. All performances are at 8 p.m. "The Beggar's Opera" opens in the Playhouse at 8 p.m. on Feb. 3 and runs until Feb. 5 and again after Feb. 8-12. The box office is open from 1 to 9 p.m. on performance days, Monday through Sunday. Telephone reservations will be taken at 865-1884.

Jazz Festival Jan. 23-29

The Second Annual Penn State Jazz Festival will be held Jan. 23-29 under the sponsorship of the Penn State Jazz Club. Headlining the festival will be concerts by Two Generations of Brubeck on Jan. 24; Jack DeJohnette and John Abercrombie on Jan. 25; and The Karl Berger Trio, with Dave Holland and Ing Rid on Jan. 27. All three shows are scheduled for 8 p.m. at the University Auditorium. Admission is $4.50 for Brubeck, free for DeJohnette and $1 for Berger.

Other events include a lecture-workshop by Martin Williams, director of the Smithsonian Institution's Division of the Performing Arts. Mr. Williams' talk, "Where's the Melody?" is at 2 p.m. in Room 101 Kern Bldg on Jan. 28. The Rutgers Institute has lent an art exhibit, "Where the Music Started," a group of 31 photographs tracing the origins of jazz, which will be on display Jan. 24-29 at the Paul Robeson Cultural Center.

The festival will also include workshops, coffeehouses, small concerts and a radio show. For more information, contact the Penn State Jazz Club, Room 224 HUB or call Steve Levine, 814-234-0422.

News briefs

(Continued from page one)

also have formed delegations. Each delegation represents a United Nations member country and tries to portray the role of that country as faithfully as possible.

UCIP seeks speakers

The University Committee on International Programs is requesting nominations for guest speakers whose topics are of cross-college interest and have international thrust. UCIP is wiling to work out co-sponsorship with other departments for these speakers. Contact the UCIP office, Room 306 Willard Bldg., 865-9549.

UCIP will also accept proposals for a study in French universities through the Franco-American exchange program. Anyone wishing information concerning this program should contact Prof. Wirth V. McCoy at 865-0444 or the UCIP office.

PSU 22nd in NHE grants

Penn State was 22nd on a list of the 25 universities who have received the most funds from the four programs of the National Humanities Endowment between 1966 and 1975. Compiled by the Chronicle of Higher Education for an article, "Federal Aid for Humanities: Is it Elitist to Insist on Excellence?" a chart shows Penn State with 14 grants totalling $995,000. Leading the list were Yale, Chicago, Harvard, Stenford, Wisconsin, and NYU.

Trustee docket

(Continued from page one)

Trustees reaffirm policies

The Trustees have reaffirmed the University's policy on non-discrimination and approved revisions to reflect current Federal laws.

As approved by the Board, the policy states that "the Board of Trustees hereby reaffirms the University's established policy of non-discrimination in recruitment, hiring and promotion of all employees.

"The Board further reaffirms the University's policy of maintaining programs of affirmative action to avoid such discrimination.

"The officers of the University are directed to continue to administer all personnel policies without regard to race, religion, color, and national origin; and without regard to handicap, age, sex, or status as a disabled or Vietnam-era veteran, except as provided by law.

"The officers are further directed to review periodically all programs of affirmative action to ensure compliance with the policy of non-discrimination."

Distinguished alums named

The University's trustees have selected eight Penn State graduates as Distinguished Alumni. They were recommended for the honor by a special committee chaired by Mrs. Marian U. Barash, of State College, a trustee.

The nominees will be invited to return to the University June 3-4 for the annual Alumni Institute and Class Reunion program where they will be honored by fellow alumni and presented a specially designed bronze medallion.

"The Distinguished Alumni Awards," President Oswald points out, "are the highest awards conferred on alumni by the University. They were established in 1951 to recognize and salute the achievements of outstanding alumni and to date 207 graduates, including those designated last Saturday, have been honored."

The 1977 Distinguished Alumni, chosen from a large number of graduates nominated from a variety of sources, are:

Horace Ashenfelter III, '49 and M.S. '55, Glen Ridge, N.J., president, Platina Refining Laboratories, Inc., South Plainfield, N.J. Winner of the gold medal in the 3,000-meter steeplechase at the 1952 Helsinki Olympics and of the coveted James E. Sullivan Award as the Outstanding Amateur Athlete in the United States, also in 1952. He was named in 1975 to the U.S. National Track and Field Hall of Fame and to the Runners Club of America Hall of Fame of American Distance Running.

Edward G. Crum '29, Chadds Ford, retired in 1970 as vice-president, director, and executive committee member of Hercules, Inc., after 41 years with the firm. He is former president of the Penn State Alumni Assn.

Samuel M. Gallu '40, Solebury, writer-director-producer for television and motion pictures. He was writer of the very successful one-man play, "Give 'Em Hell, Harry." He has published a novel, "The Emperor." During the 1950s and 1960s, his firm, Gallu Productions, Inc., of Hollywood, produced 279 programs for the television networks, including "Navy Log," "Border Patrol," and "Blue Angels." His World War II service with the U.S. Navy brought him the Distinguished Public Service Medal.

Dr. Joseph Leland Johnson '18, Washington, D.C., professor emeritus of physiology at Howard University. He served at Howard University for 38 years and was dean of the College of Medicine from 1946 to 1955.

Samuel M. Kinney, Jr., '46, Westfield, N.J., president since 1972 of Union Camp Corp., the world's largest paper-producing firm. He joined Union Camp in 1962 and played a major role in bringing Moore-Handley, a chain of building materials supermarkets, as well as Branigar Organization and Tekton Corp. into the firm as subsidiaries.

Barbara Cutley McKibbin '50, Brielle, N.J., executive editor of Vogue Magazine. She joined Vogue in 1953 as marketing editor after six years as a fashion coordinator for a top advertising agency. She has responsibility for all merchandising and promotional activities of the magazine, serving as liaison between these divisions and the editorial staff.

Dr. John L. McLucas '50-Ph.D., Falls Church, Va., director, Federal Aviation Administration. He served from 1973 to 1975 as Secretary of the Air Force and his service with the Department of Defense in 1962-64 brought him a Distinguished Civilian Service Award. He was assistant secretary general for scientific affairs at NATO headquarters in Paris in 1964-66. He has served also as president of Mitre Corp. and of HRB-Singer, Inc., of State College.

Samuel S. Vaughan '51, Tenafly, N.J., president-publisher, Doubleday and Co. He began his career with Doubleday and Co. in 1952 as a salesman and has been president since 1970. As an editor, he specializes in politics and public affairs and has worked with President Dwight D. Eisenhower, Bruce Catton, Edmund Muskie, Hubert Humphrey, Thor Heyerdahl, and Sir Edmund Hillary, among others. He has found time also to write three books for children.

Hostetter honored

The Business Services Bldg., completed a year ago, has been named the Samuel K. Hostetter Business Services Bldg., honoring the late S. K. Hostetter. Mr. Hostetter, who retired in 1957 as vice-president for finance emeritus and died Nov. 25, 1970, was a member of the University's staff for nearly 40 years, beginning in 1908. After service as purchasing agent and manager of dormitories and dining commons, he was named in 1935 as assistant to the President in charge of business and finance, as comptroller in 1950, and in 1957, vice-president for finance. He also served as treasurer of the University and treasurer of the Board of Trustees from 1936 until 1957. The building named for Mr. Hostetter, is located west of the Air National Guard Armory and provides facilities for printing services, addressing services, mail services, and offices of the Department of General Services.

More funds okayed

With bids for construction exceeding the $160,000 authorized earlier for an addition to the Food Stores Bldg., the Board approved an authorization of $214,285 for the project. Funds for the addition, like all costs for residence hall and food service operations, will be repaid from room and board charges from students who benefit from the facilities. The addition, which will be located at the northwest corner of the Food Stores Bldg., will provide approximately 3,400 square feet of freezer space. The space is required to meet the needs of increased residence hall occupancy and to reduce freezer rentals at outlying areas.

Land given to Berks

Two tracts of land, one with several buildings, have been given to the Berks Campus by Mrs. Helen Jansen Wetzel, of Reading, in memory of her parents, the late Henry and Wilhelmina Janssen. One tract consists of 14 acres of open and wooded land, extending the planned nature area of the Campus. The second tract of 10.8 acres is reserved for life tenancy of Mrs. Wetzel. The buildings on this tract include two residential-type buildings, a two-story conference-type building, a maintenance and operations building, and a garage.

The combined new area extends the 106 acres of the Berks Campus, acquired in 1970, to over 130 acres, bordered by Kissinger Lane, Tulpehocken Road, Broadcasting Road, and a farm in Spring Township. In expressing appreciation of the gift, President Oswald and Dr. Earl M. Perkins, director of the Berks Campus, said that the new area will be planned to extend both collegiate and community-wide services of the University Campus to the Reading-Berks and surrounding area.

Accountants hired

The trustees have authorized the employment of Haskins and Sells, of Philadelphia, certified public accountants, to perform the annual audit of the accounts of the University for the year ending June 30, 1977. In addition to this audit, University accounts are examined and audited on a continuing basis by Federal government and State government auditors, as well as by the University's internal auditing staff.

The work of the internal auditors is a continuous process directed toward modern sound fiscal procedures and controls. The Federal Government auditors are in residence at the University and conduct a continuous audit on various Federal contracts, grants and projects. The annual State audit is conducted by a team of auditors who each year customarily spend four to six weeks on the campus. The audit conducted by Haskins and Sells, is a comprehensive fiscal audit culminating in an opinion that is published with the Annual Report of the Controller, which sets forth a permanent and public record of the financial affairs of the University.

Nursing plans approved

Preliminary plans for the nursing education building at University Park have won trustee approval. The building will be located east of the south unit of the Henderson Human Development Bldg. and will be connected to the south unit of the building at ground level. It will have four floors, with three above ground level when viewed from the south and two projecting above ground level on the north side.

Meeting dates set

Dates for meetings of the Board of Trustees in 1978 were approved at last Saturday's meeting of the Board. They are Jan. 13 and 14; Mar. 17 and 18 at Hershey; May 25 and 26; July 21 and 22 at Hazleton; Sept. 21 and 22; and Nov. 16 and 17. Dates for 1977, approved last May, are, in addition to Jan. 14 and 15, Mar. 18 and 19 at Hershey; May 26 and 27; July 15 and 16; Sept. 22 and 23; and Nov. 10 and 11. Except where otherwise noted, the meetings will be held at University Park. The Board also designated May 26, 1977, as the date for the delegate election of trustees and for counting ballots in the alumni election in accordance with regulations outlined in the charter of the University.

Physical plant changes

Construction work to stabilize the bank of Spring Run, where it passes through the Altoona Campus, will be undertaken by the Pennsylvania Department of Environmental Resources, which has allocated $140,000 for the project. Considerable damage was done to the stream banks in 1972 by flooding that resulted from Hurricane Agnes.

The trustees also were informed of plans to add a roof to a small enclosure adjoining Lares Bldg. on the Ogontz Campus to make it available for vending space.

At University Park, an astronomy telescope dome will be moved from the roof of the former Radio Astronomy Bldg. to the University Astronomy Observatory site in Black Moshannon State Forest, and a small concrete block addition will be added to the seed drying shed on Farm No. 1.

Stadium expansion on time

The program to expand Beaver Stadium by the opening of the 1978 football season advanced another step last Saturday with the approval by the Board of preliminary plans for the project. The Board also approved final plans for the development of new track and field facilities on a 14-acre site to the south of Beaver Stadium this spring 1978.

Staff vacancies

This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., June 3, 1977. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS—Shenango Valley

Responsible to the Dean of Student Affairs for the administration and coordination of various functions within Student Affairs operations of the Shenango Valley Campus, including Student Activities, Social-Cultural programs, recruitment, admissions, and acting in behalf of the Dean during absences. Master's degree or equivalent in student personnel administration, counseling, or related field, plus up to one year of directly related experience, or a bachelor's degree or equivalent with over one year and up to and including two years of directly related experience.

MEDIA DISTRIBUTION SPECIALIST, CONTINUING EDUCATION—University Park

Responsible to the Director, Audio-Visual Services, for operational activities related to distribution of programs produced by WPSX-TV, Broadcasting and Media Production Services, and other television program producers. A bachelor's degree in marketing, sales, broadcasting, media technology, or related field, plus one to two years of directly related experience in media distribution operations, broadcast programming operations, or similar areas.

ADMINISTRATIVE ASSISTANT — ACADEMIC SERVICES — Berks

Responsible to the Assistant Director for Resident Instruction for the planning and coordination of the activities of registration, scheduling of classes and final examinations and the maintenance of student and faculty records. Position entails development and supervision of instructional services and technology. Duties also include the preparation of statistical reports and the maintenance of instructional budgets. Responsible for the supervision of clerical personnel and liaison between Office of Resident Instruction and other University and community offices as well as considerable contact with students and faculty. Master's degree in an academic discipline, higher education or instructional technology, or equivalent graduate study or training, plus up to and including one year of directly related experience, with teaching experience highly desirable.

Electronic phones

(Continued from page one)

tem of incoming administrative telephone calls. It will also provide station hunting which enables an incoming call to hunt to one or more numbers if the called number is busy, and it will make possible billing to departments, along with listings of calls made, in accordance with the number of calls and length of time used for the calls.

The new system will continue to permit offices which have unrestricted lines to dial through the Pennsylvania Network Service (PANET) any number within the continental United States.

The growth of the telephone system on the campus, which started out in 1883 with one telephone, reflects the growth of the University. The first switchboard was installed in 1923 and was located in Old Main until 1950 when a new board was installed in Willard Bldg., with a seperate board to serve the growing numbers of telephones in residence halls.

The systems were combined in 1959 with the construction of the campus dial system, known as inward dialing, the first such installation in Pennsylvania and the fourth in the country. This system made possible direct dial access to each campus telephone.

Since 1959, the number of residence halls lines has grown from 842 to 1,802 and the total number of campus telephones from 3,084 to 8,372. The number of trunk lines connecting the University with the State College exchange and long distance lines increased from 143 to 264; but in spite of the increase, all trunk lines often are busy during peak periods, limiting both incoming and outgoing calls.

The new system will provide an almost unlimited capability for the future.

Student Phonathon begun

Penn State students who are current receiving scholarship aid are among those who have volunteered to assist in raising new scholarship funds through the second annual Scholarship Phonathon. Also taking part in the program, which began Jan. 6 and continues through Jan. 31, are members of campus honorary societies and service organizations. During the 12-night period, groups of 15 to 20 students each manning a battery of telephones to contact alumni throughout the State to ask them to contribute to the University's major scholarship programs. During last year's Phonathon, some 120 students assisted in raising approximately $25,000 for the University's major scholarship programs including the Penn State Scholars Program, Ridge Riley Fund, Renaissance Fund, Alumni Memorial Fund, and the National Merit Fund.

Record Pattee attendance

Attendance at Pattee Library set an all-time record during fall term when 509,9[illegible] persons used the facilities. The figure was 13,000 higher than for fall term last year and over 100,000 more than for fall term 1973.

Charles Ness, assistant dean of libraries, reports that the peak period of use was from 3 to 5 p.m, with 12 to 1 and 9 to 11 p.m. following second and third, respectively. The busiest day was Nov. 7, when 10,257 persons used Pattee. The heaviest hourly period was recorded Sunday, Nov. 13, when 1,840 people exited between 4 and 5 p.m.

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Penn State Intercom

News in Brief

Major medical claims due

March 31, 1977, is the last date on which the Employee Benefits Division will accept charges for a 1976 major medical claim from University employees or their dependents. A major medical claim is established if an employee reports $100 of eligible, out-of-pocket medical expenses incurred during the calendar year 1976.

Charges which are acceptable for a major medical claim include doctors' office calls, prescribed drugs, private duty nursing (if medically necessary), local ambulance service, oxygen, physiotherapy, insulin, and special equipment and appliances. Among charges not covered are routine physical exams, dental work, eye exams and glasses.

Itemized receipts should be obtained for eligible charges and submitted to the Employee Benefits Division with a claim form in order to avoid delay of payment by the insurance company. ALL questions on the employee's section of the claim form should be fully completed. Cancelled checks and cash register receipts are NOT acceptable evidence of charges incurred.

Claim forms and additional information on how to report a major medical claim are available at the Employee Benefits Division, Room 133 Willard Bldg., the Business Offices at locations other than University Park, and the Personnel Office at the Hershey Medical Center.

Do you have Pa. license?

Police Services would like to remind University employees who are new to Pennsylvania that Pennsylvania vehicle registration plates and operator's licenses are required for residents who own or operate a vehicle. A resident is anyone who resides in the Commonwealth more than 30 days. (Exceptions include students and military personnel.) 1977 Pennsylvania registration plates and new faculty and staff parking permits must be displayed by March 31, 1977, and Police Services strongly advises against waiting until the last few weeks!

Information on procedures for acquiring new registration plates or an operator's license may be obtained by calling the State Police Driver's Examination Station at 359-2460 or Police Services at 865-5457.

New study proposed

University Council has been asked by President Oswald to look at all aspects of the University's International Student Program, assess ways and means to improve it, and then make recommendations to him. Dr. Oswald pointed out that from 1964-1976, total enrollment of international students has increased from 312 to 961. While the great majority of international students are graduate students at University Park, 135 are enrolled this year at other campuses.

The Council, with Dr. James B. Bartoo, interim provost, serving for the first time as chairman, also decided to continue for another year, again on an experimental basis, the Graduating Student Instructional Evaluation program.



Bob Berse photo

Pipeline is lecture topic

"The Trans-Alaska Pipeline — an Overview," will be the topic of an illustrated address by Edward L. Patton, chief executive officer of Alyeska Pipeline Service Co. and the 1977 Honorary Engineering Lecturer. His public lecture will be presented at 4 p.m. on Tuesday, Feb. 1, in Schwab Auditorium.

The trans-Alaska pipeline is being constructed by Alyeska, a consortium of eight energy companies. Prior to being named chief executive officer of Alyeska in 1970, Mr. Patton directed construction and operation of Exxon's chief domestic affiliate at Benicia, Cal. He joined Exxon in 1938 after graduation from the Georgia Institute of Technology with a degree in chemical engineering. He successively held a number of overseas management posts for the company.

PSU in engineering top five

Penn State ranks among the top five American universities with the largest number of full-time engineering undergraduate students, according to a report published in a recent issue of Engineering Education. Using fall 1975 enrollment figures, the report compares 291 schools with engineering programs. Penn State, with 4,866 undergraduates, ranked fifth. The top four were California, Illinois, Purdue and Texas.

Remediation, evaluation on Senate docket for Feb. 1

A special committee studying student evaluation of courses will present its recommendations at the Feb. 1 meeting of the University Faculty Senate.

The Committee to Review Procedures of Academic Units for Student Evaluation of Courses, appointed Sept. 9, 1975, and chaired by W. LaMarr Kopp, was charged with characterizing and assessing "the practices used by all academic units of the University in securing student evaluation of courses."

Based on data collected through a ten-item questionnaire sent to 30 units (11 colleges, 19 campuses), the committee concludes:

— Penn State does not have a common University-wide system of evaluation, a common set of objectives, or common policies. There are, instead, an array of varied programs of evaluation among the units; these programs range from quite structured to haphazard.

— Course evaluation is seldom distinct from instructor evaluation.

— There is generally no "attempt to delineate among student evaluation for student purposes, student evaluation for faculty purposes, and student evaluation for department and college purposes."

—Few alternatives to the student "form" evaluation of course or instructor are in use now. An evaluation program usually means student evaluation of a course/instructor, carried on intermittently, in a classroom, under the supervision of the faculty member being evaluated, via a standard instrument, usually a U.D.I.S. (CAQ or IEF) form.

— There is essentially no coordination of student evaluation between departments/colleges and the campuses.

— Evaluation programs do not generally extend to the graduate program.

In its report, the committee pointed out that, while approximately one half of the units report that they do not have a unit-wide system of evaluation or unit-wide objectives or policies, nearly all of the units report that they use these student evaluations in rank and tenure and merit increase deliberations.

Seventeen units make no distinction between course and instructor evaluation, the report stated, noting that this may represent a problem when the courses taught at Commonwealth Campuses and within some departments are service courses uniformly designed according to a common syllabus constructed by someone other than the instructor.

"Although 17 units do not perceive any difference between evaluation of a course and evaluation of an instructor," the committee reported, "nearly all units apply the results of the student evaluation solely to the evaluation of the instructor."

On the other hand, no unit indicated that it used the results of these forms to improve a specific course.

The committee recommends that each college establish a program for developing college-wide guidelines for student evaluation of instructors if none exists, and to establish a program for developing college-wide guidelines for student evaluation of courses, if such guidelines do not already exist.

Other recommendations made by the committee are:

— The colleges and the campuses be strongly urged to interact in the development of appropriately coordinated evaluation guidelines for both instructors and courses. This is especially important in relation to large multi-section service courses and to courses designed in one location and taught in many locations.

— The policy of each unit should include specific guidelines to assure objective administration of student evaluations.

— Each unit should disseminate appropriate course and instructor information for student use. (The Course Selector in a modified form might be an appropriate vehicle.)

— Each college should seek additional, alternative, or complementary methods of instructor evaluation rather than rely upon a single "form." This is especially important when the evaluations constitute a part of the consideration for promotion, tenure and merit increases.

—Each unit should be strongly urged to implement student evaluation of its graduate courses.

— The faculty, through its Faculty Senate, should take responsibility for overseeing the implementation of the recommendations of this report. This may be done through the appropriate standing committee of the Senate which would define, as specifically as possible, the concept and role of student evaluations; encourage the design of a coherent system and policy for student evaluations; and promote the exploration of additional alternative methods of evaluation.

In other major business, the Senate will receive a legislative report from the Joint Presidential-Senate Commission to Study Remedial Education. The report's summary and legislative proposals appear on page four of this issue of INTERCOM

The Senate also will hear informational reports on special admission programs for high school seniors and a summary of special admission programs, receive a proposal for an extended degree in law enforcement and corrections and act on a proposed constitutional change regarding Senate membership.

With this issue, INTERCOM is switching from a hot type to a cold type process for greater economy of production. Since cold type offers a wider range of typographical choices, we have taken advantage of the change to have the University's Publications' staff design a new and more flexible format, which we hope our readers will also find more attractive.

PENN STATE COLLECTION

Faculty Notes

Dr. James E. Wright Jr., professor of genetics, was elected president of the American Genetic Association at the organization's annual meeting in Washington, D.C., on Jan. 15. Dr. Wright previously served a one-year term as vice president and a three-year term as a member of the council of the association. A 1,553 member international organization, the American Genetic Association publishes the bimonthly Journal of Heredity.

Dr. Walter I. Thomas, associate director of the Agricultureal Experiment Station, is serving as president of a new organization, the Pinchot Institute Consortium for Environmental Forestry Studies. It includes forest scientists from the Northeastern states who have banded together to try to solve environmental problems related to urban forests.

Dr. George M. Guthrie, professor of psychology, and **Dr. Helen A. Guthrie,** professor of nutrition, co-authored an article in the American Journal of Clinical Nutrition entitled, "Factor Analysis of Nutritional Status Data from Ten State Nutrition Surveys." The Guthries also have written the article, "Physical and Intellectual Development in Philippine Children Fed Five Different Dietary Staples," which appears in the same issue. Virginia B. Guzman, of the University of the Philippines, was the other co-author.

A one-act play, *Pinned Down*, written by **Dr. Lillian E. Preston,** associate professor of speech communication, is being published by The Dramatic Publishing Company. This is the 14th play published by Dr. Preston.

Dr. Jan S. Prybyla, professor of economics, wrote a chapter of the new book, *Osthandel in der Krise*, published in Munich-Vienna by Olzog Verlag. The chapter is titled, "Western Technology Transfer to the USSR."

Dr. Walter Donlan, associate professor of classics, is author of an article, "Toward a Better Understanding of Ancient Societies," published in the magazine, Helios.

Dr. Edward Russek has been appointed assistant professor of psychiatry at Hershey, the first Milton Hershey School graduate to join the medical school faculty. He was also the school's first graduate from Penn State's medical college. He holds a B.A. from Haverford College and served his residency at the Medical Center.

Glenn Z. Stevens, professor of agricultural education, has received the Outstanding Service Award and life membership in the American Association of Teacher Educators in Agriculture for "meritorious contributions to the agricultural education profession." Dr. Stevens has served as chairman of the Research Committee for Agricultural Education within the Pennsylvania Department of Education since 1960. Similarly, he has worked with the Research Committee for Agricultural Education since 1960 in the American Vocational Association. He came to Penn State in 1947 and earned his B.S. and M.S. here and his Ph.D. at Minnesota

Dr. Ben J. Wiens, professor of adult education at King of Prussia Graduate Center and coordinator of College of Education programming in Continuing Education in Eastern Pennsylvania, will conduct a workshop at a seminar sponsored by Georgia State University prior to the Association of Teacher Educators National Conference Feb. 2-4 in Atlanta, Ga. The workshop is titled, "Higher Education's Commitment to In-Service Education."

Bookshelf

Dr. Robert Ginsberg, associate professor of philosophy at Delaware County, has published *Welcome to Philosophy! A Handbook for Students,* dedicated to "the 2,146 students who have taught me." The book is published by Freeman, Cooper and Company, of San Francisco, in both paperback and hardcover editions

The handbook, which has taken six years to compose, is designed to assist the beginning student in reading, writing, and thinking philosophically, according to Dr. Ginsberg. Conceiving of philosophy as intellectual activity rather than as a body of knowledge or a set of answers, Dr. Ginsberg claims the challenge in teaching philosophy is to induce students to engage in questioning. The book, which has emerged out of Dr. Ginsberg's classroom encounters with students, contains a glossary of philosophic usage, biographical notes on 79 philosophers, a sampling of exams used in the author's courses, a chapter on how to conduct philosophic work in the library, an analysis of the reasoning that characterizes philosophic thought, and a discussion of the place of philosophy within a college education. The volume also contains a clip-out evaluation form that students may use so that a more serviceable edition may be issued in the future.

Dr. Joseph P. Yaney, program head of business administration at Capitol Campus, co-authored a book, *Cases in Labor Law,* which was recently published by Grid Publishing, Inc., Columbus, Ohio. The book is a collection of recent cases exploring and describing critical problem areas confronting labor and management. Dr. Yaney received his M.B.A., J.D. and Ph.D. from the University of Michigan and was formally a program director there.

Henry D. Gerhold, professor of forest genetics, is co-editor of a book, *Better Trees for Metropolitan Landscapes,* published by the Superintendent of Documents, Government Printing Office, Washington, D.C. The publication is a 256-page report of a symposium held in 1975 at the U.S. National Arboretum. Dr. Gerhold was a co-chairman of the symposium. Other Penn State contributors are **Dr. Gerhard Reethof,** professor of mechanical engineering, and **Dr. Donald D. Davis,** associate professor of plant pathology.

Obituary

Charles J. Rowland, 82, professor emeritus of accounting and founder of C. J. Rowland Co. accounting firm in State College, died Jan. 18. A member of the Penn State faculty from 1925 until his retirement in 1959, Mr. Rowland had been head of the Department of Accounting and Business Statistics from 1953 to 1958. He received his B.A. from Cornell University and his M.B.A. from Northwestern University. Mr. Rowland wrote several books, including *Accounting and Finance for Pennsylvania Municipalities,* a course in Federal taxation; a text in two volumes, *Accounting;* and an accounting laboratory manual in two volumes, to accompany the texts.

Arts Roundup

Alard offers premiere

The Alard Quartet will present the world premiere of Quartet no. 5 by Ezra Laderman at an 8:30 p.m. concert on Wednesday, Feb. 2, in the Music Bldg. recital hall.

Wednesday night's concert is one of several regional premieres of the quartet, which will also be performed by the Lenox, Concord and Cleveland Quartets under a grant given Mr. Laderman by the National Endowment for the Arts to promote these multiple premieres.

Currently on the faculty of SUNY at Binghamtom, Mr. Laderman will be on campus for three days to meet students and work with the Alard in preparing his quartet. Fifteen minutes prior to the performance, he will discuss the work with the audience.

Also on that evening's program will be a performance of Schubert's Quintet in C major, Op. 163, with cellist Brent Wissick joining Alard members Joanne Zagst, Donald Hopkins, Leonard Feldman and Raymond Page.

Leningrad concert Feb. 5

Making its United States debut this year, the Leningrad Symphony Orchestra will appear in concert at 8:30 p.m. on Saturday, Feb. 5, in University Auditorium. This performance is presented by the Artist Series as a part of its Music Series.

Since its inception in 1931, the orchestra has given regular radio broadcasts as well as concert performances. During World War II, it remained in Leningrad enduring the siege, and its broadcasts could be heard throughout Europe. On Aug. 9, 1942, the orchestra performed for the first time in Leningrad, the Seventh (Leningrad) Symphony of Shostakovich.

The orchestra has been conducted since 1969 by Turi Temirkanov, a graduate of the Leningrad Conservatory who has led the Cincinnati, Philadelphia and San Francisco Symphony Orchestras. At Penn State, the orchestra will perform Stravinsky's "Petrouchka" and Tchaikovsky's Symphony no. 4 in F minor, Op. 36.

A very limited number of tickets will go on sale at the HUB Booth beginning at 9 a.m. on Tuesday, Feb. 1.

WPSX Highlights

The relatively unknown culture of Appalachian mountain life is shown on "The Appalshop Show" on **Documentary Showcase** Friday, Jan. 28, at 9 p.m. The hour-long program includes close-up views of craftsmen and coalminers, a midwife, and the rites of the Old Regular Baptist Church.

Anthony Trollope's "Palliser" novels about the social and political circles of mid-Victorian England come to life on **The Pallisers,** a new 22-week dramatic series premiering Monday, Jan. 31, at 9 p.m. Susan Hampshire and Philip Latham star as Glencora and Plantagenet Palliser, whose personal and political fortunes are followed in the series. Sir John Gielgud hosts the series.

Playwright Megan Terry discusses her career and her artistic struggles as a woman in the arts on the premiere program of **Creative Women** Tuesday, Feb. 1, at 7:30 p.m. The discussion is the first of six conversations with women in the arts, hosted by Nancy Miller. The program may also be seen Wednesdays at 3:30 p.m. and Sundays at 3:30 p.m.

The possible effects of sunspots on weather and climate cycles on earth are examined on **Nova** Wednesday, Feb. 2, at 8 p.m. The documentary focuses on the work of astronomer Jack Eddy whose study of early records indicates that the "Little Ice Age" of the 17th century may have been caused by the disappearance of sunspots.

Elsewhere in Academe

Conservatism increases

The number of students who believe that undergraduate education would be improved by the abolition of grades has declined from 59 percent to 32 percent during the past six years. This is one of many shifts to a more conservative stance revealed in a report from the Carnegie Council on Policy Studies in Higher Education. It is based on surveys conducted in 1975 among 25,000 undergraduates, 25,000 graduate students and 25,000 faculty members. The data were compared with similar surveys made in 1969. Other findings showed that far fewer students in 1975 — 39 percent as opposed to 51 percent in 1969 — favored an end to required courses. Satisfaction with one's college increased, rising from 66 to 71 percent, while those who were "on the fence" or dissatisfied fell from 21 and 12 percent to 20 and 9 percent, respectively.

Pitt libraries get bowl funds

The University of Pittsburgh libraries will receive $100,000 from the school's Sugar Bowl proceeds of $900,000, and the remaining $800,000 will go into the general university fund, according to Pitt Chancellor Wesley Posvar. Of the money allocated to the libraries, $80,000 will be used for the purchase of books and other printed materials and $20,000 for the purchase of nonprint materials, particularly instructional films.

New black med school

Morehouse College at Atlanta University will open the country's third black medical school in fall 1978. Its goal is to train physicians to serve in poor urban and rural communities as well as in third-world nations. The first class of 32 students will spend two years at Morehouse and then transfer either to Howard or Emory Universities, the Medical College of Georgia or Meharry Medical College. (Howard and Meharry are the nation's two other medical schools administered by blacks.) Current plans are for the new predominantly black medical school to become a four-year, degree-granting institution by 1983.

Haverford compromises

After more than two years of debate, Haverford College has decided to admit women transfer students into the upper three class-years of the school. The male college has had a cooperative arrangement with Bryn Mawr, and the women's school strenuously objected to Haverford's going coed. The program with Bryn Mawr will be maintained and strengthened. The decision led Dr. John R. Coleman, Haverford's president, to tender his resignation. He said he was no longer able "to give the college the leadership it needs" in carrying out the plan. Dr. Coleman had proposed admitting women into Haverford on an equal basis with men.

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University Park Calendar

January 27 — February 6

Special events

Thursday, Jan. 27

Wildlife Society, James Wakeley on "Studies of the Ecology, Behavior and Management of American Eiders in Penobscot Bay, Maine," 7:30 p.m., Room 105 Ferguson.

Women in Communications and University Readers, "Women in Literature — Past, Present and Future," a dramatic reading, 8 p.m., Room 112 Kern.

University Theatre, "A Taste of Honey," 8 p.m., Pavilion Theatre.

Jazz Festival, Berger-Holland Trio, 8 p.m., HUB University Auditorium.

Friday, Jan. 28

Jazz Concert, John Lace Quintet, 12 noon, Kern Lobby.

Montreux Jazz Festival videotape, 12-4 p.m., HUB Gallery.

Judith Williams, Smithsonian Institution, on "Where's the Melody?" 2:30 p.m., Room 101 Kern.

Astronomy Club Open House, 7:30 p.m., Room 445 Davey. Cloud date, Jan. 29.

University Model UN Assembly, opening session. UN delegates discuss the question of South Africa, 8 p.m., HUB assembly room.

Women in Communications and University Readers, "Women in Literature — Past, Present and Future," a dramatic reading, 8 p.m., Room 112 Kern.

Sports: Hockey, vs. Penn JV, 7:30 p.m. University Theatre, "A Taste of Honey," 8 p.m., Pavilion Theatre.

Bob Smith, piano, and Lauri Mong, piano, 8:30 p.m., Music Bldg. recital hall.

Saturday, Jan. 29

University Model UN Assembly, 9:30-10:30 a.m., plenary sessions, Room 215 HUB. 11 a.m.-12:30 p.m., 2-5 p.m., 7:11 p.m., committee meetings — South West Africa (Namibia), Room 318 HUB; Lyon-Parthred, Room 324 HUB.

Sports: Women's basketball, vs. Indiana (Pa.), 2 p.m.; men's swimming, vs. Edinboro, 2 p.m.; men's basketball, vs. Pittsburgh, 8 p.m.

University Theatre, "A Taste of Honey," 8 p.m., Pavilion Theatre.

Sunday, Jan. 30

Chapel Service, 11 a.m., Eisenhower Chapel. Mahmoud Rashdan, Muslim Student Association of U.S. and Canada.

Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel Multi-Purpose Room. Elder John Loyd.

University Model UN Assembly, 2 p.m., Room 225 HUB, final plenary session.

Shaver's Creek Nature Center workshop, "The Gospel of Functioning in the Natural Environment," 1-3 p.m., Stone Valley Recreation Center.

Sports: Hockey, vs. University of Delaware, 7:30 p.m., a Mid-Atlantic Collegiate Hockey game.

Monday, Jan. 31

Douglas Smith, baritone, 8:30 p.m., Music Bldg. recital hall.

Last date for March graduates' theses to be submitted to Graduate School.

Last date for departments to certify completion of required papers for March graduates.

First day for signing Spring Term NDSL and University Long Term Loans, Room 108 Shields.

Tuesday, Feb. 1

Alpha Phi Omega Bloodmobile, 10 a.m.-4 p.m., HUB ballroom.

Comp. Lit. Luncheon, 12:15 p.m., Faculty Club. Patricia Ward on "Neoplatonism and Romanticism: A Case-Study from France."

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Sports: Women's basketball, vs. Maryland, 3 p.m.

Naval ROTC Lecture, 12:45 p.m., Room 121 Sparks. Grace Hopper on "The Role of Women in the Navy."

Edward L. Patton, Chief Executive Officer, Alyeska Pipeline Service Co., Honorary Engineering Lecturer, on "The Trans-Alaska Pipeline — An Overview," 4 p.m., Schwab.

Fixed date for meetings involving Commonwealth Campus faculty.

Wednesday, Feb. 2

Alpha Phi Omega Bloodmobile, 10 a.m.-4 p.m., HUB ballroom.

Sports: Men's swimming, vs Maryland, 2:30 p.m.; men's and women's gymnastics, vs. Pittsburgh, 7:30 p.m.

G.S.A. Commonsplace Theatre, "The Hunchback of Notre Dame," 7:30 and 9:30 p.m., Room 112 Kern.

Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.

Thursday, Feb. 3

Sports: Women's swimming and diving, vs. Bloomsburg, 4 p.m.; women's basketball, vs. Slippery Rock, 6:30 p.m.; men's basketball, vs. Army, 7:30 p.m.; hockey, vs. Villanova, 7:30 p.m., a Mid-Atlantic Collegiate Hockey Conference game.

University Theatre, "The Beggar's Opera," 8 p.m., Playhouse Theatre

Friday, Feb. 4

P.S.O.C. Hiking Division, moonlight hike up Shingletown Gap trail, 7 p.m., HUB parking lot.

Arnold Air Society Film, "Dr. Strangelove," 7:30 and 9:30 p.m., Room 102 Forum.

University Theatre, "The Beggar's Opera," 8 p.m., Playhouse Theatre.

Artists Series, Royal Winnipeg Ballet, 8:30 p.m., University Auditorium.

Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.

Last day for signing Winter Term NDSL and University Long Term Loans, Room 108 Shields.

Saturday, Feb. 5

Sports: Men's and women's bowling, vs. Shippensburg, St. Vincents, 1 p.m.; women's swimming and diving, vs. Princeton, 7 p.m.; men's and women's gymnastics, vs. Temple, 7:30 p.m.

Arnold Air Society Film, "Dr. Strangelove," 7:30 and 9:30 p.m., Room 102 Forum.

University Theatre, "The Beggar's Opera," 8 p.m., Playhouse Theatre.

Artists Series, Leningrad Symphony Orchestra, 8:30 p.m., University Auditorium.

Sunday, Feb. 6

Chapel Service, 11 a.m., Eisenhower Chapel. Reverend John Wenzke, Lutheran Student Parish.

Black Christian Fellowship worship service, 11:15 a.m., Multi-Purpose Room, Eisenhower Chapel, Paster Gerald G. Loyd.

Reception, Recent Works by James Stephenson, 3-5 p.m., Museum of Art.

Reception, Work by Harold Altman, 3-5 p.m., Zoller Gallery.

Myra Jacobson, cello, 3:30 p.m., Music Bldg. recital hall.

Arnold Air Society Film, "Dr. Strangelove," 7:30 and 9:30 p.m., Room 102 Forum.

Sports: Hockey, vs. West Chester, 7:30 p.m., a Mid-Atlantic Collegiate Hockey Conference game.

Exhibits

Museum of Art: The Material Dominant (some current artists and their media), Gallery C, opens Jan. 29. Recent work by James Stephenson, Gallery A, opens Feb. 6.

Zoller Gallery: Student Painting and Ceramics, through Jan. 31. Work by Harold Altman, opens Feb. 3.

Chambers Gallery: Contemporary Tapestries by Joy Rushfelt and Vicki Haskell; Ceramic Stones by Paul Nowicki, opens Jan. 31.

Kern Gallery: Macrame by Ingeborg K. Miller; American Beer Cans, through Jan. 30.

212A Arts Bldg: Photographs by Marcia Prager, opens Jan. 31.

Pattee Library, main foyer: Wild Orchids of State College, through Jan. 31.



Turi Temirkanov, Leningrad conductor

Seminars

Thursday, Jan. 27

Computation Center, 7:30 p.m., Room 106 Osmond, JCL (6).

Monday, Jan. 31

Biochemistry/Biophysics, 3:55 p.m., Room 101 Althouse. Robert Shafer, chemistry, University of Pittsburgh, on "Biochemical Applications in Forensic Chemistry."

Genetics, 3:55 p.m., Room 108 Tyson. Robert Pfeifer, plant breeding, on "Chapters 18 and 19 from 'Cytoplasmic Genetics and Evolution' by Paul Grun: Expression of Plasmons Interacting with Plasmon-Sensitive Genes; Characteristics Encoded by Plasmon Factors."

Tuesday, Feb. 1

Environmental Design and Planning, 9:35 a.m., Room 318 Sackett. Lawrence Regan, architecture, on "Temples and Fabric Inside Corners on the Outside."

Plant Pathology, 9:45 a.m., Room 213 Buckhout. Mark Bookbinder on "Nitrogen Fixation in Rice Culture."

Surface Science, 11:10 a.m., Room 339 Davey. T. Sakauri on "Ce Chemisorption on Si and Ge Surfaces."

Analytical Chemistry, 1 p.m., Room 333 Whitmore. Andrew J. Stuper on "The Development of Structure-Activity Relations Using Pattern Recognition Techniques."

Water Pollution Control, 2:20 p.m., Room 124 Sackett. George P. Fulton, Metcalf and Eddy, New York, on "Disposal of Water Treatment Plant Wastes."

History, 3:30 p.m., Room 101 Kern. Panelists Sergei F. Utechin, George M Enteen, Boris Dynin on "The Historian in Soviet Society."

Chemical Engineering, 3:45 p.m., Room 140 Fenske. Howard J. White, National Bureau of Standards, on "Data and Reference Data — Sources and Systems."

Physics/Ionospheric Research Lab, 3:50 p.m., Room 445 Davey. M. J. Mumma, Goddard Space Flight Center, on "Infrared Heterodyne Spectroscopy of Laboratory and Astrophysical Sources."

Wednesday, Feb. 2

Food Science, 11:10 a.m., Room 201 Borland. John Weaver on "Chemical Changes during Lactase-Induced Ripening of Cheddar Cheese."

Computer Science, 4 p.m., Room 325 Whitmore. Captain Grace Hopper, Department of the Navy, on "Future Possibilities — Hardware, Software and People."

Inorganic Chemistry, 8 p.m., Room 333 Whitmore. Michael Northrup on "Heteropoly Monybdates."

Thursday, Feb. 3

Chemistry, 12:45 p.m., Room 333 Whitmore. Edward M. Arnett, University of Pittsburgh, on "Energies of Formation and Solvation of Organic Ions."

Computer Science, 3 p.m., Room 325 Whitmore. Leonard Berman, Cornell University, on "Structure of Recursive Sets."

Acoustics, 4 p.m., Room 73 Willard. George C. Sherman, Itek Corp., Optical Systems Division, Lexington, Ma., on "Introduction to Angular Spectrum Diffraction Theory and Application to Diffraction Problems."

Computation Center, 4 p.m., Room 110 Comp. Bldg., Mathematical Programming (1).

Senate Report

Summary

Like many other prominent American universities, The Pennsylvania State University has been hearing assertions from both within and without the University community that numerous college graduates write badly and are unable to do basic mathematics. There is a strong feeling that further steps should be taken to correct the situation.

This report, by the Joint Presidential-Senate Commission to Study Remedial Education, presents recommendations that Penn State inaugurate a compulsory experimental writing program for incoming students over the next five years to develop and test strategies to improve basic writing skills. Principal elements of the program are Writing Centers and a corrective basic skills course for credit. Such credits, however, cannot be used by baccalaureate candidates to satisfy specific degree requirements.

The Commission also recommends that a basic arithmetical skills test be administered to all entering students with the understanding that the minority who fail will be expected, with modest assistance and within one academic year, to pass on re-examination. No courses for credit are recommended. With respect to students who are deficient in algebra and trigonometry and who plan to take mathematics courses involving those skills, the Commission calls for continued development and experimentation in upgrading deficient students prior to their enrolling in regular sequence courses, such as Math 20, 61, or 65. Large numbers of students are currently taking remedial algebra and trigonometry; the Commission strongly urges that such students be counseled that their prospects of success in mathematically oriented curricula are limited.

Very little is known about debilities in reading; nationally, there has apparently not been the decline in reading skills that occurred with respect to writing and computational skills. Nonetheless, some students undoubtedly read badly, including some who are otherwise quite capable. Inasmuch as the Commission has no idea of the size of that group, it is proposed that a program of collecting data about reading skills be put in place immediately. Concomitantly, the data must be communicated to advisors and means made available to help students who desire to improve their reading speed or comprehension.

Finally, the Commission calls on the University community to demand of itself a commitment to good performance in the basic skills by setting a good example and creating a good climate. That means funding financial support for the programs discussed above, which may well cost $500,000 annually. It means communicating both stronger expectations and a sympathetic hand to the Commonwealth schools, and it means looking hard at what the University has to offer and to whom it is offered.

Legislative Proposal

Writing

Testing and Competence Requirements

All students entering baccalaureate or associate degree programs will be tested on their basic writing skills, those failing to demonstrate adequate preparation for college-level writing must attempt to remove that deficiency as soon as possible and must remove it within three terms after admission to degree candidacy. This deficiency will be removed either by passing English 11 (4) or by passing an examination agreed by the Department of English to be of equivalent difficulty to the final examination in English 11. Failure to do so will ultimately result in the student being dropped from degree candidacy.

Program Evaluation

The writing program is to be considered to be experimental and will be evaluated, both in progress and, formally, after five years. Participating faculty are urged to report on, and publish, any experimental results and evaluations as part of recognized scholarly activity.

Mathematics

Testing and Competence Requirements

All students entering baccalaureate or associate degree programs who are not exempted on the basis of pre-admission experiences will be tested on their basic arithmetic skills. Students who fail must remove the deficiencies within three terms after admission to degree candidacy by passing an equivalent examination. Failure to do so will result in the student being dropped from degree candidacy.

Counseling

Students enrolled in curricula which require college algebra or calculus should be tested to insure that they are adequately prepared in algebra and trigonometry. Those who are not adequately prepared should be required to enroll in courses or sections designed to remedy the deficiencies. They should also be counseled by mathematically competent persons concerning the very high failure rate of students whose deficiencies are severe enough to require more than two such courses. Members of the Mathematics Department are encouraged to experiment with, and report on, efforts to improve the remediation/counseling process.

Entrance Requirements

All colleges are urged to include at least one Carnegie Unit in mathematics in their entrance requirements.

Reading

Testing and Counseling

All students entering baccalaureate or associate degree programs will be tested for reading competence. Results of such tests will be communicated to the student and to the student's advisor.

Program

On an experimental basis and as resources permit, students manifesting reading difficulties should be tested further, counseled, and assisted in improving their reading through programs supervised by the Developmental and Remedial Reading faculty. Participation in reading improvement programs will be voluntary.

Communicating with Other Educational Agencies

The Office of the Provost is asked to institute a formal procedure for communicating with Pennsylvania high schools the expectations of Pennsylvania State University faculty concerning acceptable competence in basic skills for students entering the University. Reports of the performances of recently admitted students in programs testing basic skills should be made available to school administrators. In addition, efforts should be made to cooperate with other colleges, universities and schools, citizens groups and state agencies in Pennsylvania and elsewhere, who are concerned with upgrading the basic skills.

Faculty Monitoring

The Senate Chairman is asked to appoint a Special Committee to monitor and work with the administration in implementing the policies concerning the basic skills programs proposed in this report.

This Special Committee is to be responsible for:

— Monitoring the implementation of the program and providing appropriate informational reports to the Senate.

— Advising the administration and departments responsible for the subject areas regarding the implementation of the program.

— Recommending to the Senate any additional policies necessary for the program.

Gerontology grants are available

A Developmental Grant Program to improve gerontological research and instructional capacity of University faculty members has been instituted by the Gerontology Center in the College of Human Development.

According to Dr. Joseph H. Britton, center chairman, grants of up to $2,500 will be made to faculty members throughout the University to help them develop projects in aging which increase the University's capacity in research and instruction in the field.

Under the program, faculty and administrators of academic units are invited to propose activities which produce curricular designs, instructional materials, and research-related products for professional and career education, continuing education, and research in new areas of gerontology.

Funds for the program are being made available under a major operational grant to the Gerontology Center by the Administration on Aging of the U.S. Department of Health, Education and Welfare.

Dr. Britton said research proposals, including "pilot" proposals, will be judged through peer review on criteria that include prospects that the work contributes to the University's permanent capacity in gerontology; possibility of subsequent funding; the soundness of the project; its contribution to a "new" area in gerontology at Penn State; the possibility for rapid development and completion; and the possibility for presentation of project description, results or application during the center's 1977 Summer Series on Aging.

The Developmental Grant Program is being directed by Dr. Robert B. Mitchell, assistant professor of biology and new associate chairman of the Gerontology Center.

Further details on the grant program may be obtained by contacting Dr. Mitchell, Dr. Britton or Mrs. Betty Fatula, center staff member.

Funding Sources

(256-1) The Office of Education announces a March 15 deadline for applications to its **Career Education Program.** OE wishes to improve implementation of career education and to develop methods, techniques and models. (Ref 42FR2358-59, 1/11/77) (CFDA 13.554) (Ref 42FR3031, 7/14/77)

(256-2) Special arts, mathematics and student concerns projects under the **Emergency School Aid** program have been assigned a March 7 deadline. (Ref 42FR2359, 1/11/77) (CFDA 13.582)

(256-3) The HEW Social and Rehabilitation Service has published proposed regulations for **Training Programs** under Titles I, IV A, X, XIV, XVI (AABD), XIX, and XX of the Social Security Act. Comments are requested by Feb. 25 (Ref. 42FR2439-47, 1/11/77) (CFDA 13.724)

(256-4) Searches for potential sponsors of **research, instruction, and continuing education projects** can be made through the Resource Information Office (M. R. Kohler, 865-1372). Possible sponsors among federal and state agencies, foundations, associations and industry will be compiled. A brief paragraph to RIO (Room 5 Old Main) outlining your professional expertise and interests will assist in directing relevant funding and resource information to you.

Staff Vacancies

Staff vacancies in this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in INTERCOM may be found on the Penn State REPORTER. All University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be received until 5 p.m., **Feb. 3, 1977. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

PROGRAMMER, MANAGEMENT SERVICES — University Park Analyze and design program logic, code, test, and document programs; keep abreast of new techniques in programming using available educational resources. Bachelor's degree or equivalent in computer science or related field, plus one to two years of directly related programming experience. Proficiency with COBOL and/or PL/1 on 3rd generation computer equipment is desired.

PERSONNEL ASSISTANT (EMPLOYMENT DIVISION), OFFICE OF PERSONNEL ADMINISTRATION — University Park Duties include recruitment, interviewing and placement of applicants for employment. Assist in filling job vacancies through internal programs of promotion from within. Assist in determining starting salaries for new employees and salaries for employees promoted. Provide information regarding employment policies and procedures to applicants, employees and supervisors. Prepare reports concerning the activity of the Division. Assist with special assignments as necessary. Bachelor's degree, or equivalent, preferably in personnel administration or related fields, plus a minimum of two years of administrative experience.

INFORMATION SPECIALIST, COLLEGE OF ARTS AND ARCHITECTURE — University Park Responsible for increasing the visibility of the College and University Arts Service through such news media sources as newspapers, periodicals, radio, T.V., etc. Prepare newsletters and special publications. Provide editorial assistance to Dean and staff on articles and speeches. Provide liaison with Department of Public Information. Work on special assignments for events of an occasional and special nature. Bachelor's degree, plus two to four years of directly related experience or a master's degree, plus one to two years of directly related experience.

ASSOCIATE DIRECTOR — ALUMNI RELATIONS, ALUMNI ASSOCIATION — University Park Responsible to Executive Director of Penn State Alumni Association for overall planning, development and execution of association's public relations through Penn State Clubs, Constituent Societies, and special programs. Develop and implement long- and short-range planning on programs and constituent society activities. Coordinate alumni relations activities with other University departments. Travel extensively to represent association and University in meetings with alumni and the general public. Bachelor's degree, plus four to seven years of directly related experience in organizational development and administration, program planning and public relations. Penn State graduate preferred.

APPLICATIONS ANALYST/PROGRAMMER, OFFICE OF BUDGET AND PLANNING — University Park Responsible to Program Manager of designated Project or Task Leader for coordinated analyses of data processing and customer problems; determining detailed requirements to solve problems; formulating logical statements of systems problems and preparing computer programs to satisfy desired results. A bachelor's degree and one to two years of directly related experience in computer programming and analyses is required.

FINANCIAL OFFICER — Delaware County Responsible to the Controller for budgetary expenditure control of campus operating budgets. Provide primary assistance to the campus director in financial and related administrative matters. Manage and control the campus operating funds, including petty cash and change funds. Insure compliance with cash and other administrative policies. Prepare periodic financial reports, deposit all cash receipts, issue and settle advances for travel, maintain and control student accounts receivable, process refunds, collect tuition and unpaid balances. Responsible for receipt and distribution of payroll checks. Responsible for property inventory, logging of equipment, inventory records and periodic property inventory reports. Bachelor's degree in accounting, with one to two and up to and including four years of directly related experience in accounting operations.

ASSISTANT DIRECTOR FOR UNIVERSITY RELATIONS (S) — Behrend College, Berks Campus, McKeesport Campus, Shenango Valley Campus, Wilkes-Barre Campus Responsible to the respective Campus Director for organizing and conducting a comprehensive University relations program for the entire campus, including Continuing Education, Public Information and Relations, Gifts and Endowments, Alumni and Community Relations activities. A bachelor's degree, or equivalent, plus two to four years of related experience, preferably involving newspaper and/or journalistic writing or public relations. Relevant experience in higher education is desirable.

February 3, 1977 Volume 6, Number 2

Penn State Intercom

News in Brief

No weekend WATS lines

Telephone Services would like to remind all WATS users at the University Park Campus that there will be no WATS service Friday, Saturday and Sunday, Feb. 4, 5, and 6. The Pennsylvania Network access lines from Harrisburg are being changed during this period, and an interruption of service is unavoidable.

Effective Monday, Feb. 7, all persons whose phones are equipped with "dial 7" access will be able to dial their own out-of-state calls. Those without this access will still be able to place their long distance calls at a reduced rate by calling the University Network operators. The operators can now dial calls within Pennsylvania, as well as out-of-state calls.

Instructions have been mailed to all departments. If you have not received your revised information, please call Telephone Services at 865-8311 for a copy of the new instructions.

Withholding reminder

If your itemized deductions have changed significantly, or if you have allowable child care expenses, you may wish to file a revised Form W-4, **Employee's Withholding Exemption Certificate**, to increase your number of withholding exemptions for wages paid after Dec. 31, 1976.

Employees are entitled to claim additional withholding allowances equal to the number determined by dividing by $750 the excess of their itemized deductions over their percentage standard deduction. For example, assume your standard deduction is $2,300 and the sum of your estimated itemized deductions is $3,800; subtract $2,300 from $3,800 which equals $1,500; now divide the $1,500 by $750. This equals 2, which is the number of additional withholding allowances that can be claimed on your Form W-4. A new worksheet is available to aid taxpayers in determining whether their expected itemized deductions will entitle them to claim one or more additional withholding allowances.

The worksheet may also be helpful in determining whether tax credits for child care expenses, and other credits provided by Tax Reform Act of 1976, will entitle you to claim one or more withholding allowances. An explanation of these credits is included in the instructions for filing your 1976 income tax return (Form 1040).

W-4 forms and worksheets are available from the Payroll Department, Room 301 Shields Bldg

Historian is visiting scholar

Dr. Gordon Greenwood, McCaughey Professor of History at the University of Queensland, Australia, will be a visiting scholar at Penn State through Feb. 11, as a guest of the Department of Political Science. He will discuss "Recent Developments in Australian Higher Education" at 10 a.m. Tuesday, Feb. 8, in Room 101 Kern Graduate Bldg., at a seminar sponsored by the Department of

(Continued on page 4)

The weather's the only topic right now



Cool pool – photo by Dave Shelley

Memo

To: President's Staff, Council of Academic Deans, Directors of Commonwealth Campuses, Heads of Administrative Divisions, Academic, Associate and Assistant Deans, Academic Department Heads, Personnel Representatives

Subject: Utilities and Fuel Conservation

On January 26, 1977, Governor Shapp issued a communication to State agencies regarding certain guidelines to be followed in an effort to conserve fuel and electrical energy during the current fuel shortage crisis

In response to this request, and a similar one from President Carter, the University will institute the following steps immediately which will extend through the current fuel crisis:

1. All building heating systems will be set at a maximum daytime temperature of 65°. Evening temperatures will be reduced beyond that point wherever possible. This setting is being carried out by the Office of Physical Plant at the University Park Campus. Maintenance personnel at locations other than University Park will carry out similar reductions in settings. Faculty, staff and students should be instructed to dress accordingly.

2. Temperature settings in buildings with infrequent usage (i.e. — storage buildings) will be set at 50°.

3. The Office of Physical Plant personnel will be evaluating systems over which they have central control such as ventilating systems and others which can cause heat loss dunng the heating season.

Windows should be kept closed at all times and shades or blinds should be closed overnight and on weekends, except on ground floors for security reasons. The use of domestic hot water should be curtailed as much as possible, and radiators, heating units and ventilation registers should not be obstructed by shelving, plants, furniture or other objects.

In accord with this directive, I am asking that each one of you in your daily tasks be very aware of the highly critical nature of the fuel shortage in which we are all now involved, both at work and in our homes. Your cooperation during this time of energy crisis will be greatly appreciated. I am looking forward to being able to say that Penn State has done its part in helping to alleviate the fuel shortage which we face at the present time.

Your continued cooperation in energy conservation is very much appreciated. If anyone has any questions, please contact J. C. Dean, Manager, Energy Conservation Program, 863-0538.

John W. Oswald
President

The ice age cometh?

A dramatic theory, but one that lacks conclusive proof, according to Earth and Mineral Sciences Dean Charles Hosler, who explains that while there are reputable climatologists who hold to the ice-age-is-coming theory, there are also those who believe just the opposite: that the temperature of the earth's atmosphere is rising, due to human activity, and with the rise will come massive flooding and climate changes.

Dean Hosler, who last month completed a term as president of the American Meteorological Society, espouses neither theory in its entirety. But he does offer this observation for those who wonder how long the cold will last:

"If you look at temperatures in the Northern Hemisphere over the last 1000 years and then at temperatures over the last 50 years, you will note that there hasn't at any time in recorded history been a period when it has been so warm for so long as it has been over the past half-century.

"The odds makers would say that chances are these last 50 years have been the exception and in the future the weather should fall back to something like it's been over the past millennium — which means considerably colder than the weather to which we're now accustomed."

Dean Hosler stresses that "we can't make a forecast from this kind of reasoning because we don't know the combination of forces that has led to the current warm period, or to the prior colder period.

"But by studying the data throughout the period, it would seem logical to expect some cooling down over the next decade, perhaps," he adds.

Dean Hosler stresses that the cooling probability is only one of several. There is always a chance that the weather will return to "normal" as we know it or that it will even become unusually warm.

"But regardless of what's ahead, the time is long overdue to do some serious planning regarding food and fuel resources for the future," he concludes.

Campuses to serve as emergency centers

President Oswald has announced that Civil Defense authorities have been advised that University campuses which remain open are available for use as emergency centers. Three campuses, University Park, New Kensington and Beaver, have already initiated discussions with Civil Defense personnel.

Gas allocation released

Penn State has relinquished its present natural gas allocation for heating at University Park. Robert A. Patterson, senior vice-president for finance and operations, said that the University has been using a minimum of natural gas during this winter, so that the allocation could be used to meet its most critical situations and to comply with environmental requirements.

However, the University has informed Columbia Gas Co. that due to this crisis, it is releasing its remaining allocation of

(Continued on page 6)

PENN STATE COLLECTION

Faculty Notes

Dr. Stanley Weintraub, research professor of English and director of the Institute for the Arts and Humanistic Studies, addressed the Shaw Society of Japan in Tokyo on Jan. 28. His topic was "Bernard Shaw's Reception in the United States from the 1890s to the First World War." Dr. Weintraub was en route to the University of Malaya in Kuala Lumpur. He is serving as an external examiner there, reviewing that institution's English language and literature program, and is the first American to fill what has previously been an exclusively British post.

Paul West, professor of English and comparative literature, contributes two articles to the current issue of *Review,* published by the Center for Inter-American Relations. "Despot-au-feu," the lead article, deals with the work of the Cuban novelist Alejo Carpentier, while "The Posthumous Present" is devoted to a new novel by the Colombian writer Gabriel Barcia Marquez. Prof. West's own recent novel, *Gala,* his eighth, has been favorably received by a variety of periodicals, among them *The Washington Post, The Nation* (which featured a retrospective essay on Mr. West's work in general), and *The New Republic,* in which exobiologist Carl Sagan, in a round-up of books of the year, praised it for, among other things, its excursions into astronomy and genetics

Several faculty members associated with The Pennsylvania Transportation Institute participated in the 56th Annual Meeting of the Transportation Research Board last week in Washington, D.C. Papers presented included: "Methodology for Development of Price Adjustment Systems in Statistically Based Highway Construction Specifications" by **Dr. Jack H. Willenbrock,** associate professor, and **Peter A. Kopac,** research assistant, both in civil engineering; "Performance Evaluation for Bituminous Concrete Pavements at Penn State Test Track" by **Dr. Mian C. Wang,** associate professor of civil engineering, and **Dr. Thomas D. Larson,** director of the Institute; "Transportation Development and Land Use Planning to Achieve National Goals: Netherlands Experience" by **Dr. Hays B. Gamble,** professor of agricultural economics; "PennDOT — Policies for a Fiscally Constrained Future" by Dr. Larson; "Transit Planning Guidelines for Small Urban areas" co-authored by **Dr. James H. Miller,** assistant professor of business logistics; "Fiscal Planning and Highway Programming: The Pennsylvania Response to a Changing Environment" by **Dr. Theodore H. Poister,** assistant professor of public administration, Dr. Larson, and **Srikanth Rao,** lecturer in business logistics; and "Technique for Evaluating the Hydroplaning Potential of Pavements" by **Satish K. Agrawal,** research assistant, and **Dr. John J. Henry,** associate professor, both in mechanical engineering

Architectural drawings by **Julian Weiss,** assistant professor of architecture, are the subject of a one-man show at Cooper Union, New York, through Feb. 4. The 30 drawings represent a cross-section of Mr. Weiss's work during the past year in which he explores architectural form by abstracting and translating it into drawing form.

Dr. Gary L. Mullen, assistant professor of mathematics at Shenango Valley, presented a paper at the 83rd annual meeting of the American Mathematical Society in St. Louis, Mo., last week. The paper, "Weak Equivalence of Functions over a Finite Field," is the result of work done during the Faculty Interchange Program sponsored by the Commonwealth Campus Scholarly Activity Fund.

Dr. John J. Cahir, associate professor of meteorology, co-authored two papers presented at the 57th annual meeting of the American Meteorological Society held recently in Tucson. The papers were titled "A Statistical Method for Smoothed Predictions of the Infrared Movie Loops" and "A Possible Method for Objective Prediction of Mean Daily Sunlight in Winter."

"Dimensional Stability of Solution-mined Cavities in Salt" is the title of a paper presented by **Dr. H. R. Hardy Jr.,** professor of mining engineering and chairman of the geomechanics section in the Department of Mineral Engineering. He spoke at a conference on Salt Dome Utilization and Environmental Considerations at Louisiana State University in Baton Rouge.

Carl R. Chelius, instructor in meteorology, and former Penn State graduate student Henry J. Frentz, are the co-authors of *A Basic Meteorology Exercise Manual,* which was published by Kendall-Hunt of Dubuque, Iowa.

Dr. Henry S. Albinski, professor of political science, is the author of two articles published in New Zealand journals. His article, "Australian External Policy, Federalism, and the States," appeared in Political Science, and "Australian Foreign Policy under the Fraser Government" was published in New Zealand International Review.

Carol B. Collado has been appointed assistant professor of nursing in the College of Human Development. A graduate of Nazareth College, she received the master of nursing degree from the University of Washington in Seattle. Since 1969 she has been a nurse with the World Health Organization and served as a consultant in nursing education in Mexico and the Dominican Republic.

Seventeenth-Century News,' published under the sponsorship of a consortium of university departments of English, including Penn State's, has published a Special Bicentennial Issue honoring Prof Samuel Eliot Morison, of Harvard, who died last May. Articles and reviews in the issue focus on 17th-century American literature, history and culture. Penn State contributors to the issue include: **Dr. Kent Forster,** professor and head of the Department of History, who composed the "In Memoriam" tribute to Prof. Morison; **Dr. C. Conrad Cherry,** professor of religious studies; **Dr. James M. Rambeau,** assistant professor of English; **Dr. Donald P. Wharton,** assistant professor of English at Altoona; and **Dr. Peter White,** part-time lecturer in English. **Dr. Harrison T. Meserole,** professor of English, is editor of SCN.

Dr. Ira Wolinsky, associate professor of nutrition, has co-authored a paper, "The Effect of Fluoride on the Mechanical Strength of Bone." The article, which appeared in the December 1976 issue of the Baroda Journal of Nutrition, in India, deals with the health problem in some parts of India where too much fluoride in drinking water is causing damage to human bones.

Dr. Ronald Abler, associate professor and head of the Department of Geography, is the editor of a new and unique atlas published in December by the University of Minnesota Press.

The atlas, which weighs seven-and-a-half pounds and sells for $95, consists of 500 pages and 1,040 maps. Entitled *A Comparative Atlas of America's Great Cities: Twenty Metropolitan Regions,* the work presents a broad overview of such aspects of urban life as physical environment, population, housing, transportation, communication, health care services, land use, education, racial and ethnic distribution, employment, poverty and neighborhood deterioration.

Director of the project of which the atlas is a part and co-author of the atlas was **Dr. John S. Adams,** formerly a member of the Penn State geography faculty who now teaches at Minnesota. **Dr. Peirce F. Lewis,** professor of geography, wrote the vignette on New Orleans.

Retirement

Mrs. Ruth H. Smith has retired as assistant professor of human development. A graduate of the University of Nebraska, she received her M.S. at Cornell. Mrs. Smith joined the faculty as a part-time instructor in 1955 and received a full-time appointment in 1963, teaching both graduate and undergraduate classes in family housing.

Her principal research interest has been in the relationship of the residential environment to family activity patterns, and she has published a number of articles in that field. In 1964-65 she was on leave in The Netherlands under a research grant to study housing policies and the distribution of housing.



But, soft! what light through yonder window breaks?

Elsewhere in Academe

New education commissioner

Dr. Ernest L. Boyer, chancellor of the State University of New York, has been appointed the next U.S. Commissioner of Education.

UK on probation

The National Collegiate Athletic Association has placed the University of Kentucky on probation for two years because of numerous rules violations in its football and basketball programs. NCAA officials reported that the violations included gifts of cash, clothing, transportation and a typical Kentucky bluegrass touch, tickets to the Keenland races.

College — it's worth it

Faculty may be pleased to learn that figures prepared by the Los Angeles county auditor's office show it costs more to keep a youngster in jail than to send him to an ivy league college. Costs per inmate at the LA juvenile hall were estimated at $58.97 a day, or better than $21,000 a year. College, it's worth it!

Ag enrollments soar

Enrollments in the nation's agricultural colleges are up almost one third in the last two years and have nearly tripled since 1963.

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Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

University Park Calendar

February 3 — 13

Special events

Thursday, Feb. 3

Sports: Women's basketball, vs. Slippery Rock, 6:30 p.m., men's basketball, vs. Army, 7:30 p.m.; hockey, vs. Villanova, 7:30 p.m., a Mid-Atlantic Conference game.

Lecture and discussion on the physiology of the aerobic sports, 7:30 p.m., Room 102 Kern.

University Theatre, "The Beggar's Opera," 8 p.m., Playhouse Theatre.

Friday, Feb. 4

Judo Club demonstration, noon, Kern lobby.

University Theatre, "The Beggar's Opera," 8 p.m., Playhouse Theatre.

Conference on Whales and Dolphins, 8 p.m., Room 301 HUB. Films.

Artists Series, Royal Winnipeg Ballet, 8:30 p.m., University Auditorium.

Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.

German Club Play, "Die Panne," 8:30 p.m., Room 112 Kern.

Last day for signing Winter Term NDSL and University Long Term Loans, Room 108 Shields.

Saturday, Feb. 5

Conference on Whales and Dolphins, begins 10 a.m., speakers and films, HUB assembly room.

Sports: Men's and women's bowling, vs. Shippensburg, St. Vincents, 1 p.m.; women's swimming and diving, vs. Princeton, 7 p.m.; men's and women's gymnastics, vs. Temple, 7:30 p.m.

University Theatre, "The Beggar's Opera," 8 p.m., Playhouse Theatre.

Artists Series, Leningrad Symphony Orchestra, 8:30 p.m., University Auditorium.

Sunday, Feb. 6

Chapel Service, 11 a.m., Eisenhower Chapel. Reverend John Wenzke, Lutheran Student Parish.

Black Christian Fellowship worship service, 11:15 a.m., Multi-Purpose Room, Eisenhower Chapel, Pastor Gerald G. Loyd.

Reception, Recent Works by James Stephenson, 3-5 p.m., Museum of Art

Reception, Work by Harold Altman, 3-5 p.m., Zoller Gallery.

Myra Jacobson, cello, 3:30 p.m., Music Bldg. recital hall.

Sports: Hockey, vs. West Chester, 7:30 p.m., a Mid-Atlantic Collegiate Hockey Conference game

Monday, Feb. 7

Business Admin. panel discussion, 8 p.m., Room 101 Kern

Raymond Page, viola, 8:30 p.m., Music Bldg recital hall.

Late drop deadline.

Tuesday, Feb. 8

Comp. Lit. Luncheon, 12:15 p.m., Faculty Club. Donald Verene, philosophy, on "On Rhetoric and Imagination as Kinds of Knowledge."

College of Education Faculty Luncheon, 12:30 p.m., Room 101 Kern.

Black Studies and Comparative Literature Programs film, "Mandabi," Wolof with English subtitles, 7:30 p.m., Robeson Cultural Center, Walnut

University Theatre, "The Beggar's Opera," 8 p.m., Playhouse Theatre.

Archaeological Institute of America, M. A.S. Cameron, University of Western Ontario, on "The Technical Origins and Processes of Manufacture of Minoan Frescoes," 8 p.m., Room 101 Kern

English Colloquium, Audrey Rodgers on "'Dancing Mad': The Poetry of Theodore Roethke," 8 p.m., HUB Reading Room.

Wednesday, Feb. 9

G.S.A./Free U Wine and Cheese Tasting, 7 p.m., Room 101 Kern.

University Theatre, "The Beggar's Opera, 8 p.m., Playhouse Theatre.

Penn State Brass Chorale, 8:30 p.m., Music Bldg. recital hall.

Leonard Nimoy, of *Star Trek*, 8 p.m., Rec. Bldg. Sponsored by Colloquy.



Thursday, Feb. 10

A.P.E.S. film, "Tutankhamen, the Immortal Pharaoh," 7:30 p.m., Room 269 Willard.

University Theatre, "The Beggar's Opera," 8 p.m., Playhouse Theatre.

Artists Series, Rampal and Veyron-LaCroix, flute and harpsichord, 8:30 p.m., Schwab Auditorium.

Friday, Feb. 11

Folk, Square, and Ballroom Dance Roundup, 7:30 p.m., White

Theatre performance, "Veronica's Room," 8 p.m., Room 112 Kern.

University Theatre, "The Beggar's Opera," 8 p.m., Playhouse Theatre.



Saturday, Feb. 12

Sports: Women's fencing, vs. William Patterson, Madison, Jersey City, 9 a.m.; men's fencing, vs Navy, 1 p.m., men's and women's bowling, vs. American University, 1 p.m.; men's and women's rifle, vs. Ohio State, 2 p.m.; men's swimming, vs. Indiana, 2 p.m.; wrestling, vs. Lehigh, 2 p.m., men's basketball, vs Navy, 7:30 p.m.

Un-Common Dinner Theatre, dinner 6:30 p.m., play, "Veronica's Room," 8 p.m., Rooms 102 and 112 Kern.

University Theatre, "The Beggar's Opera," 8 p.m., Playhouse Theatre

Penn State Symphony Orchestra, 8:30 p.m., University Auditorium.



Sunday, Feb. 13

Chapel Service, 11 a.m., Eisenhower Chapel, Dr. Yoshio Fukuyama, religious studies.

Black Christian Fellowship worship service, 11:15 a.m., Multi-Purpose Room, Eisenhower Chapel. Pastor Gerald G. Loyd

P.S.O.C. Canoe Division, Penn State Pool Slalom, indoor canoe and kayak races at Natatorium, finals 2 p.m., admission free.

Lowell Knauer, organ, and Kevin Clemens, organ, 3:30 p.m., Music Bldg. recital hall.

Un-Common Dinner Theatre, dinner, 6:30 p.m., play, "Veronica's Room," 8 p.m., Rooms 102 and 112 Kern.

Exhibits

Museum of Art: Recent Works by James Stephenson Gallery A opens Feb. 6. The Material Dominant (some current artists and their media), Gallery C.

Zoller Gallery: Work by Harold Altman.

Chambers Gallery: Contemporary Tapestries by Joy Rushfelt and Vicki Haskell, Ceramic Stones by Paul Nowicki.

212A Arts Bldg: Photographs by Marcia Prager.

Kern Gallery: Photographs and Molas by Maritza Tason. Nabil El-Husseini — multimedia, opens Feb. 5.

Seminars

Friday, Feb. 4

Physical Chemistry, 4 p.m., Room 333 Whitmore. Michael C. Drake on "Laser Raman Scattering from High Temperature Gases."

Monday, Feb. 7

Biochemistry/Biophysics, 3:55 p.m., Room 101 Althouse. Joyce Hawkes, U. S. Fisheries Labs, University of Washington, Seattle, on "Effect of Laser Radiation on Pigment Cells in Fish and Mice."

Genetics, 3:55 p.m., Room 108 Tyson. Ko Harada on "Chapter 20 from 'Cytoplasmic Genetics and Evolution' by Paul Grun: Natural Selection and Evolutionary Changes of Plasmons."

Tuesday, Feb. 8

Environmental Design and Planning, 9:35 a.m., Room 318 Sackett. Richard Rosine, landscape architecture, on "Interface of Design Professionals in the Development of New Communities."

Political Science, 10 a.m., Room 101 Kern. Gordon Greenwood, McCaughey Professor of history, University of Queensland, Australia, on "Recent Developments in Australian Higher Education."

Applied Research Lab., 10:45 a.m., Eric A Walker Conference Room, Applied Science Bldg. W. R. Hall on "Drag and Powering Predictions of Submerged Vehicles."

Food Science, 11:10 a.m., Room 201 Borland. Rodger Jonas on "The Use of Antibiotics in Foods."

Analytical Chemistry, 1 p.m., Room 333 Whitmore. Yair Talmi, Princeton Applied Research, on "Applications of Optical Multichannel Analyzers to Spectroscopy."

Water Pollution Control, 2:20 p.m., Room 124 Sackett. Allan Jacobs, Metcalf and Eddy, N.Y., on "Energy Considerations in Facilities Design."

Chemical Engineering, 3:45 p.m., Room 140 Fenske. John G. Porter, Mobil Research and Development Corp., on "Divestiture."

Aerospace Engineering, 3:55 p.m., Room 232 Hammond. Dr. William H. Heiser, Chief Scientist, Arnold Engineering Development Center, Arnold Air Force Station, on "The Future of Airbreathing Propulsion."

Water Resources, 3:55 p.m., Room 207 Sackett. Robert Butler on "Time, the Intellectual Gap between Biologists, Engineers and Economists."

Astronomy, 4 p.m., Room 445 Davey. Douglas Richstone, University of Pittsburgh, on "Spectral Properties of Quasars."

Inorganic Chemistry, 8 p.m., Room 333 Whitmore. Darryl R. Fahey, Phillips Petroleum, on "Oxidative-Additions of Aryl, Vinyl, and Acyl Halides to Triethylphosphine Ni (O) Complexes."

Wednesday, Feb. 9

Fuel Science, 4 p.m., Room 301 Mineral Industries. Nsakala ya Nsakala on "Characterization of Chars Produced by Pyrolysis Following Rapid Heating Pulverized Coal."

Thursday, Feb. 10

Chemistry, 12:45 p.m., Room 333 Whitmore. Brian D. Sykes, University of Alberta, on "Nuclear Magnetic Resonance Studies of Muscle Proteins."

Plant Pathology, 12:45 p.m., Room 101 Althouse. Peter Jennings, Rockefeller Foundation, on "Benefits and Consequences of the Rice Revolution in Latin America."

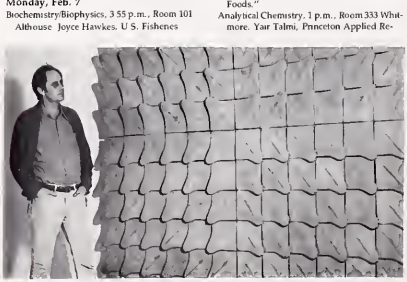
History/Political Science, 2:30 p.m., Room 124 Sparks. Gordon Greenwood, University of Queensland, Australia, on "The United States and Asia: An Australian Perspective."

Acoustics, 4 p.m., Room 73 Willard. Claus P. Janota, ARL, on "Psychoacoustics in the Recognition of Noise-Like Sounds."

Computation Center, 4 p.m., Room 110 Comp Bldg. Mathematical Programming (2).

Ecology, 4 p.m., HUB assembly room. Daniel Janzen, University of Pennsylvania, on "Ecology of Three species of Costa Rican Trees: *Hymenaea, Dioclea, Andira.*"

Microbiology and Cell Biology, 4 p.m., Room 52 Frear. Dale Oxender, University of Michigan, on "Amino Acid Transport and Regulation in Bacteria."



An exhibition of recent work by James Stephenson, associate professor of art, will be on display beginning Sunday, Feb. 6, in the Museum of Art. The exhibition will open with a public reception at the museum on Feb. 6 from 3 to 5 p.m.

The show contains brick work done by Mr. Stephenson and funded with an Individual Craftsman's Grant from the National Endowment for the Arts. The exhibit continues through March 20.

News in Brief

(Continued from page 1)

Political Science and the Center for the Study of Higher Education.

In a program sponsored by the Departments of History and Political Science, Dr. Greenwood will speak on "The United States and Asia: An Australian Perspective" at 2:30 p.m. Thursday, Feb. 10, in Room 124 Sparks Bldg. Persons who would like to meet Dr. Greenwood may obtain information on his schedule by contacting Dr. Henry S. Albinski, professor of political science, at 865-7515.

New Kensington Director sought

An advisory search committee for the position of Director at the New Kensington Campus has been appointed by President Oswald to assist him in identifying candidates.

The committee members from New Kensington are Roy Myers, assistant professor of mathematics, chairman; Elizabeth Anderson; instructor in human development, Robert Camahan, assistant professor of sociology; and Kenneth Dymer, student government president.

Other members are Thelma Price, special assistant to the President and assistant vice president for student affairs, Dean Robert Scannell of the College of Health, Physical Educaton and Recreation; John B. Frantz, associate professor of American history; and Earnest Weidhaas; assistant dean for Commonealth Campuses, College of Engineering.

New A & A options

Several new options in the College of Arts and Architecture have been approved and will be offered, starting in fall term 1977, according to Dean Walter H. Walters.

A Drawing Option and a Photography Option have been approved as part of the major in Art, which leads to the B.F.A. degree. The major already has options in Painting, Sculpture, Graphic Design, Ceramic Arts, and Printmaking. The new options, along with the existing five, are based in the Department of Art. In the major in Music, the areas of performance and composition will become the Performance Option and the Composition Option in the Department of Music. In the major in Theatre Arts, the two options, Theatre Production Option and Performance Option, will be replaced by the Production Option, Performance Acting Option, and Performance Dance Option. They are in the Department of Theatre and Film.

Ag. Bahama project

Development of commercial agriculture in the Bahama Islands is the goal of a five-year program involving faculty members from the College of Agriculture and funded through the U.S. Agency for International Development. The project seeks to encourage family type farming systems in the Bahamas, an area traditionally devoted to fishing and tourism. Production of livestock is a major component.

The program is centered around a new research facility established on Andros Island. Over 150 acres of pasture were planted to provide livestock forage. With Bahamian supervision, research is also being carried out on fruits and vegetables having considerable potential for the islands. Four pilot test farms have been established, and training of Bahamians as researchers and development specialists is underway. Nine are currently taking degree courses at Penn State



A watercolor of Penn State's former Armory by the late David A. Campbell was presented to the Penn State Collection in memory of Rodney E. Hersh, for 38 years a chemical engineering faculty member, by his widow and two sons Mrs. Hersh and son Rodney are in photo.

Whaling conference

A Conference on Whales and Dolphins will be held at the University on Friday and Saturday, Feb. 4 and 5. Sponsors are The Free University, Nittany Divers and Eco-Action. Friday evening from 8 to 11 p.m. in Room 301 HUB two films will be shown, "Last Day of the Dolphin" and "Whales, Dolphins and Men." Beginning at 10 a.m. on Saturday in the HUB assembly room, there will be a day of speakers and films. Speakers include representatives from the Fnends of the Earth, the National Humane Soaety, the Kendall Whaling Museum and the Connecticut Cetacean Society.

Special ed. option set up

A Pre-Professional Option, designed to prepare students for graduate school, has been established in the speech pathology and audiology major. The new option will also prepare students for such non-teaching positions as school administrator-support personnel, industrial training or educational programs, research technician, governmental staff, and community agency staff positions dealing with the handicapped. The option is offered through the Department of Special Education and leads to a B.S. degree.

Allegheny County sends most students

Penn State students come from every county in the State, and 49,152 of the 53,363 enrolled for the current academic year are Pennsylvania residents. An enrollment study indicates that Allegheny County with 5,718 students tops the list, followed by Centre County, with 4,843. Other counties in the top ten are Montgomery, 2,890; Philadelphia, 2,608, Delaware, 2,388, Westmoreland, 1,825; Luzerne, 1,774; Erie, 1,558; Dauphin, 1,490; and Blair, 1,463. The 53,363 students tabulated in the annual report include 42,741 undergraduates; 6,698 graduate students; 372 medical students; and 3,552 listed as unclassified, comprising undergraduates in non-degree programs and provisional students.

New Shenango Valley degree

A new associate degree program in steel technology will be offered at Shenango Valley beginning with the 1977 fall term. This two-year course of study will prepare students for positions in metallurgical or metals-oriented industries as technical personnel or foremen of service groups in production, research, quality control, or development.

Pattee gets bequest

Pattee Library has received as a bequest of the late Chnstine Wood Rhodes, of State College, a collection of books inscribed by numerous notables of the 20th century. The inscriptions are drawn from many fields and include those of such prominent people as Thomas Mann, Virginia Woolf, Robert Frost, Richard Wright, Marian Anderson, Ida Tarbell, Oswald Villard, Helen Keller, Sister Elizabeth Kenny, Ogden Nash, Oscar Levant and scores of others. Mrs. Rhodes was the wife of the late Leland S. Rhodes, professor ementus of civil engineering. She had a long and active interest in music and the arts.

Family medicine recruits

The Hamot Medical Center and St Vincent Medical Center, both of Ene, have become the 15th and 16th hospitals to join the Pennsylvania Family Practice Residency Consortium sponsored by the Hershey Medical Center. The voluntary association of family practice residency training programs was formed in 1975 with nine members to pursue continual improvement of their family physician training programs and to increase the number of family physicians in the State. More than 175 graduate physicians are currently receiving training as family practitioners at the member hospitals.

E&M tops 2,000

Total enrollment in the College of Earth and Mineral Sciences has topped 2,000 for the first time. Dr. E. Willard Miller, associate dean for resident instruction, attributes the increase of 22 percent from a year ago to good job prospects for students in the ten undergraduate majors, most of which involve aspects of energy production or environmental quality.

The enrollment at the beginning of the 1976-77 academic year reached 2,043, as compared to 1,674 a year ago. Undergraduate enrollment at all campuses is 1,536 — an increase of almost 25 percent over 1975. This includes 155 associate degree students enrolled in mining technology at the Altoona and Fayette Campuses Graduate students now total 507, an increase of 14 percent.

TV sleep workshop

A television workshop produced for the Network for Continuing Medical Education by Hershey's Sleep Research and Treatment Center is making its debut this month in nearly 500 hospitals throughout the nation.

Entitled "The National Sleep Disorders Update: A Television Workshop," the physician participation program, with coordinated printed materials, was written and edited by Dr. Anthony Kales, chairman of psychiatry and director of the sleep center, and Dr. Joyce Kales, associate professor of psychiatry and co-director of the sleep center, in consultaton with 16 medical advisors, including Dr. Robert Brennan, chief of neurology at Hershey. Pre- and post-test assessment instruments to evaluate the effectiveness of this teaching program were developed and validated by Dr. Edward Bixler, associate professor of psychiatry and also a co-director of the sleep center.

Designed to be of interest to all physicians who encounter patients with sleep disorders, the 50-minute program is acceptable for continuing education credits from the American Medical Association, American Academy of Family Physicians and Amencan Osteopathic Association.

The Network for Continuing Medical Education is a New York-based organization which provides videotapes to member hospitals throughout the nation (there are 20 in Pennsylvania) for the continuing education of physicians and other health professionals.

	American or Indian Alaskan Native	Black American	Oriental American or Pacific Islander	Hispanic American	White American	Foreign	Total
Allentown	0	1	0	0	219	0	310
Altoona	3	28	5	7	1,340	3	1,707
Beaver	1	22	0	7	803	7	1,077
Behrend	1	34	2	8	1,246	11	1,660
Berks	4	2	4	0	689	2	874
Capitol	5	54	3	9	2,005	34	2,471
Delaware	4	46	4	5	981	7	1,236
DuBois	4	1	1	1	543	3	563
Fayette	2	21	3	4	812	3	1,039
Hazleton	4	4	2	2	855	0	961
Hershey	0	12	3	5	317	15	479
King of Prussia	0	3	1	0	104	12	321
McKeesport	3	30	2	5	879	0	1,164
Mont Alto	4	2	2	3	736	2	982
New Kensington	0	6	2	2	927	4	1,116
Ogontz	2	65	2	4	1,285	14	1,811
Schuylkill	3	8	2	5	573	1	850
Shenango Valley	4	15	0	2	594	2	832
University Park	33	586	93	119	27,257	988	31,777
Wilkes-Barre	2	0	0	0	479	3	634
Worthington Scranton	2	0	1	2	709	1	924
York	3	21	1	1	586	4	818
Total	108	965	134	191	44,533	1,118	53,363

The above chart gives a breakdown of ethnic enrollments at each of the University's campuses during fall term 1976. The figures do not include 6,318 students who chose not to indicate their race on enrollment survey cards.

Two Comments on Senate's Remedial Education Report

At its Feb. 1 meeting, the Senate considered a report prepared by a Joint Presidential-Senate Commission to Study Remedial Education. The chairman of that commission, John J. Cahir, and one its members, Thomas E. Daubert, taped the following comments on the report for INTERCOM.

Q. Does the commission as a whole support the report?

A. Oh yes, although it's not the report that any of us would have written last April when we first began meeting. But everyone on the committee contributed some of the writing. It's very rare, I know, for that to happen, but really, it did.

Q. You say that changes in attitudes occurred among commission members.

A. Yes, they did. Initially, I think everyone was supportive of doing something within the context of our mission as a land-grant university "to educate the sons and daughters of the working classes." And virtually everyone had had some personal experiences which led them to believe that students weren't performing well in some of the very basic skills areas.

But reading is an example of one area where, as we got more information, our views changed. We originally were suspicious that some of the bad writing that we had seen was in part traceable to reading problems. There was a fair amount of enthusiasm for doing something in the reading area. Our studies, however, found no demonstrable evidence that reading skills have declined. Probably the best conclusion you can draw from the data is that reading may have stopped improving at the historical rate, and there may have been some very slight decline — although recently there have been some measureable improvements in the reading of nine-year-olds. So that was one fairly big thing that we learned, and it created a fairly big shift in our opinions about reading.

As a result, our principal recommendation with respect to reading is simply to start collecting data to find out just how poorly our students do read. There's a secondary recommendation that, if in the course of taking that data we discover, and we surely will, there are some people not reading up to their potential or up to what, perhaps, they ought to be to profit from a university education, then we ought at least to communicate that back to them and their advisors and perhaps try, within the limits of our resources, to make some voluntary strategies available so that they can improve their reading skills.

Here's another example, and this is a personal one. I had thought that we could perhaps ameliorate the remedial education problem at Penn State by replacing some students on the lower end of the basic skills scale with some students at better skills levels. And I thought that one option that might be open to do that would be to increase the number of out-of-state students that we take in. Our out-of-state student ratio is quite low; in fact, it's declining. We're admitting something less than 500 students per year now from outside Pennsylvania. This frankly discourages me for reasons other than those to do with remedial education, since I just think that sociologically it's good to get a better mix. But within the narrower context of the remedial education question, I thought it might be a pretty good strategy to take an extra 1,000 students from out-of-state because I had the impression that out-of-state students were on the average better quality students. But I learned that while a few years ago we were quite exclusive with respect to out-of-state students, in recent years, the situation has changed. There is perhaps a slight difference between the characteristics of the out-of-state population and the in-state population because of the exclusivity factor, but it's not big enough really to make any dent in the problem of remedial education. So that was another thing that I learned.

I'll give you a third example — there are innumerable others. My own view initially of the writing program was that we were talking strictly about the technical aspect of writing — vocabulary, punctuation, spelling and that sort of thing. I think I and others on the commission are now convinced that the kinds of skills necessary for writing effectively at the college/university level involve much more than that. I am speaking now of such skills as the ability to synthesize or to write paragraphs that make sense. I guess I could say that I now perceive that the basic skill writing problem is more complex than I at first thought.

My last example would be that I think a lot of us went into this with the idea that we would just go look in some books or journals and discover that study A had been conducted here, study B had been conducted there, and this was the way to do it and this was the way not to do it. And we were quite startled, at least I was and I think others were, too, to learn that the literature was very inconclusive on what remedial strategies were appropriate to help someone who does math badly or can't do arithmetic without taking his shoes off. Until recently, the efforts expanded in this area have been based on a sort of blind faith that they would work and so there were no carefully designed experiments and no control groups. As a result of this learning experience, the commission became persuaded that Penn State ought to link its activities in trying to upgrade basic skills with a strong effort to evaluate what we were doing. So that's a very strong recommendation in the report. We have here what one of the members of the commission called "an unrivaled laboratory" in the Commonwealth Campus system and the University Park faculties. We are already teaching quite a few basic skills courses so it seemed to us that there was an opportunity to change the context in which they were being offered and to collect data on their effects.

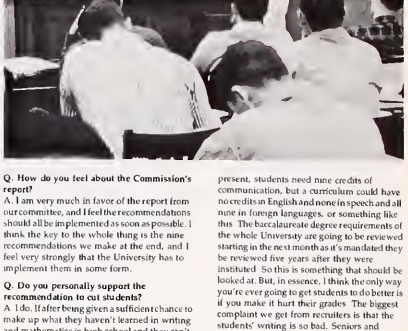
I am actually very hopeful that the University will be able to obtain some outside support for a research project along these lines to help fund remedial education costs. I don't think we can delude ourselves into thinking that we're going to obtain outside support for all the costs by any stretch of the imagination, but it would seem to me that it would be a very appealing kind of proposal. I think we really do have a chance to do something unique in the sense that we have an unusually structured University with a large number of locations and subpopulations within which we can carry out valid experimental programs, try out different techniques and follow up a group of students who are still attending the same university.

Q. Do you feel the University community has had adequate input into the report?

A. Well, we certainly have tried to advertise our mission widely. Every member of the commission was assigned individuals or groups to go and see to get their reaction to the problems of remediation. We contacted every person who had said anything publicly. We went to every interest group we could think of — students, faculty members, administrative groups. So at least we tried to insure that no one would say, "Oh, I didn't know this was going on and why didn't you ask me?" I also made a presentation to the Senate on an informal basis in September, describing our preliminary thinking and the ways we were going and tried to answer questions so the Senators wouldn't get a big shock when we came back with the final report. So we've tried to do the things we thought would eliminate the really depressing situation where someone would oppose the report because he or she didn't know that it was coming up and had had no chance to discuss the issues.

I would like to reiterate that I think this really was an unusual committee, and the report is truly the product of the committee. That's the first time this has ever happened in my experience. It's not to my credit that that's true, either. But it happened that people were very interested and sincere and conscientious and came to all the meetings. And we met a lot of times, including over Thanksgiving break and Christmas break. There were three people from the Commonwealth Campuses who had to come up here through thick and thin and did, so that it's really an unusual group in that regard.

John J. Cahir



Q. How do you feel about the Commission's report?

A. I am very much in favor of the report from our committee, and I feel the recommendations should all be implemented as soon as possible. I think the key to the whole thing is the nine recommendations we make at the end, and I feel very strongly that the University has to implement them in some form.

Q. Do you personally support the recommendation to cut students?

A. I do. If after being given a sufficient chance to make up what they haven't learned in writing and mathematics in high school and they can't get it after several terms, then they should be dropped from degree candidacy. This would apply, for example, to persons who can't do the mathematics required to balance a checkbook or calculate simple interest or read a graph. This material is 6th grade and before. We're not proposing formal courses in this area. There would be help offered, but it would be up to the student to take advantage of it.

We feel with regard to reading that we don't know enough about the problem. Penn State does not give a reading test to entering freshmen, and therefore we've asked to have some diagnostic tests done on the next two classes or so of freshmen that enter just to see how bad the problem is. Everyone says it's there, but we don't have any statistics like we have statistics on writing and mathematics.

If we go back to writing, for example, we can get an idea of the size of the problem because we have actual studies. Using the same examination over a period of 10 years, we see that the number of students needing remedial English has gone from 10 percent to 27 percent and the number who are "superior" in writing has gone down from 18 percent to 8 percent. I think that speaks for itself.

Q. But are all these students just being passed through the system?

A. Not all, but a lot of them are.

Q. And they're being graduated without being able to write?

A. They're being graduated without being able to write or spell or understand English grammar.

Q. And there is, at this point, no consistent testing process?

A. None. So what we're saying is that in English there should be a course which students must pass, and if they can't pass it, they'll be dropped from candidacy. If the student does not want to take the course and wants to do it on his own, he's going to have to take an examination equivalent to the examinations in the course. Every student that isn't exempted from the start because he did very well on the proficiency exam is going to have to pass this latter exam.

We don't expect this to go on forever, we're asking that the program be evaluated as it goes along to see if it's really doing the job that it's supposed to be doing. We are going to have to do it for at least about five years until the high schools catch up. I think the high schools are starting to change, we're seeing the first signs of that. The grade schools are also trying desperately to change, and we'll just have to see what happens. But it hasn't happened yet.

Q. Are there other actions the University can take to strengthen writing ability?

A. I think the English Department can do an awful lot to dispel problems in grammar, spelling, punctuation, and the ability to write a complete sentence. And I think they have to change their program somewhat. I also think — and this isn't in our report — that the University has to strengthen the baccalaureate degree requirements required of every student. At present, students need nine credits of communication, but a curriculum could have no credits in English and none in speech and all nine in foreign languages, or something like this. The baccalaureate degree requirements of the whole University are going to be reviewed starting in the next month as it's mandated they be reviewed five years after they were instituted. So this is something that should be looked at. But, in essence, I think the only way you're ever going to get students to do better is if you make it hurt their grades. The biggest complaint we get from recruiters is that the students' writing is so bad. Seniors and graduate students are getting worse, worse, worse. Reading reports and theses takes you twice as much time to go over the prose as it used to.

Q. Is it accurate to say that your investigations before you wrote up your report convinced you that the problem is two-fold in that the high schools have not been fulfilling their part of the job and also the University has not been insisting on high enough standards?

A. Right. Somehow the University has to demand not just 3 credits of English from the high schools but 3 credits of English in which at least part of them are English grammar and writing — not puppetry, not play acting, not all literature. Mathematics is another thing. Some of the colleges at Penn State don't require any math to enter. This says to the high schools that we don't think it's important if somebody can add or subtract in these curriculums. We have a recommendation in our report to urge all the colleges to change their requirements and put in at least one requirement in mathematics for entrance.

Also in the report we suggest taking the data that we get throughout the whole course of this five-year program and sending it along to the high schools, giving them reports on everything that's happening, not by name of student but saying that 20 students from your high school entered Penn State this year and this is how good or bad they are. We need to try to push the high schools.

Q. Do you think most faculty will accept your report?

A. Certainly you're going to find people who feel that our only course should be totally to deny admission to anybody until they come up to our standards, because they don't feel it's the place of the University to do it, and they feel that $500,000 a year, which is our estimated maximum cost, is just too much to spend on work not traditionally taught in a university. I think we all agree that we don't want to spend $500,000 a year. But either we keep the same standards and our enrollments go down, or we're going to lower the standards. If we don't offer these services, then we're going to cut the enrollment because we're going to flunk out a lot of people or not let them in in the first place.

Q. You don't make any recommendation about where this $500,000 is going to come from.

A. No, that's up to the President. I think that $500,000 a year figure could be slightly high in that when the estimate was done, everything was taken as a cost except for the actual sections already being taught in English. In fact there are other remedial programs around the University and also our share of our estimated cost is overhead, so the actual outlay of money might be closer to $250,000 or $300,000 per year.

I think we have to consider, too, what the legislature is going to say. A lot of people don't want to take that into account. If we start turning away students who, by their high school averages and SAT scores, are qualified to enter Penn State and for whom we have room, I think it's going to hurt our relations and ultimately our appropriations.

Thomas E. Daubert

Arts Roundup

Brass Chorale to perform

The Penn State Brass Chorale, conducted by James Benshoff, assistant professor of music, will perform in concert at 8:30 p.m. on Wednesday, Feb. 9, in the Music Bldg. recital hall. The ensemble, which consists of 23 brass and percussion players, will begin its program with Benjamin Britten's "Fanfare for St. Edmundsbury," written for three trumpets. Following the "Fanfare," the entire ensemble will perform "Designs for Brass" by Vaclav Nelhybel, "Theme and Four Variations" by Thomas Merriman, and "Cinque Intagli" by Bennie Beach.

After an intermission, the concert will continue with three additional contemporary works: "Sound Piece" by Gardner Read, professor of composition at Boston University; "Three Movements for Brass and Percussion" by Lewis Miller, professor of composition at Fort Hays Kansas State College; and "Introduction and Allegro" by Lawrence Hartzell, professor of composition at Baldwin-Wallace College Conservatory.

Wind Ensemble concert

Works by 20th-century composers will be presented by Penn State's Symphonic Wind Ensemble at 8:30 p.m. Fnday, Feb. 4, in the Music Bldg. recital hall. The concert features Aaron Copland's "El Salon Mexico," a Gustav Holst work and "Bagatelles" by Vincent Persichetti, one of the first pieces written for concert bands.

Senegalese film Feb. 8

Mandabi, an award-winning color film made in 1968 by Senegal's Ousmane Sembene, will be shown at 7:30 p.m. on Tuesday, Feb. 8, in the Paul Robeson Cultural Center, Walnut Bldg. The film, which has English subtitles, portrays the comic and tragic obstacles encountered by an unemployed worker in Dakar trying to cash a $100 money-order sent by his nephew in Paris. The film is being sponsored by the French Department, Comparative Literature Program, Black Studies Program, Liberal Arts Undergraduate Office and the Robeson Center.

PSU Symphony to play

Penn State's Symphony Orchestra will present a concert at 8:30 p.m. on Saturday, Feb. 12, in University Auditorium. The concert will feature the winners in last fall's Young Artists' competition held at the University. Brent Wissick, cellist and co-winner of first prize in the competition, will perform the complete Concerto for Cello and Orchestra by Lalo. Other winners in the competition who will perform are Robert Wright, piano; Fran Moskovitz, flute; Douglas Floyd Smith, baritone; Nona Uhler, soprano; and Katherine Kello, piano.

Dinner-Theatre on Feb. 12-13

Veronica's Room, a thriller for mature audiences by Ira Levin, is the theatrical half of the bill of fare at the next Un-Common Dinner Theatre sponsored by the Kern Graduate Commons on Saturday and Sunday, Feb. 12 and 13, in Kern. A New England style dinner with poached flounder will be served at 6:30 p.m. by Hotel and Restaurant Society students. The play will follow at 8 p.m. In addition, there will be a preview of the play on Friday, Feb. 11, at 8 p.m. Reservations are available at the Kern Information Desk, 865-1878.

WPSX Highlights



Scene from "The Man in the White Suit"

Foreign Film: Theme, Form, and Style, a three-credit course from "The Pennsylvania State University of the Air," begins Saturday, Feb. 5, at 9 p.m. It premieres with Alec Guinness starring in "The Man in the White Suit" "Foreign Film" may also be seen Sundays at 1 p.m. For more information on the course, call 865-5403.

Portraitist Alice Neel, whose artistic career spans nearly half a century, talks with host Nancy Miller on the second program of **Creative Women** Tuesday, Feb. 8, at 7:30 p.m. "Creative Women" may also be seen Wednesdays and Sundays at 3:30 p.m.

"The Author of Beltraffio," an hour-long drama based on a short story by Henry James, may be seen on **Piccadilly Circus** Tuesday, Feb. 8, at 8 p.m. The drama focuses on the conflict between an English novelist and his wife as they battle for the affections of their ailing child.

Growing interest in women's sports is the subject of **Talkabout** Wednesday, Feb. 9, at 7:30 p.m.

"The War Widow," Harvey Perr's critically acclaimed television drama about a young wife who finds herself becoming increasingly attached to another women, is repeated on **Visions** Thursday, Feb. 10, at 9 p.m.



A fragment from a Minoan fresco

Talk on Minoan frescoes

"The Technical Origins and Processes of Manufacture of Minoan Frescoes" is the title of an illustrated public lecture by Prof. M.A.S. Cameron, of the University of Western Ontario, at 8 p.m. on Tuesday, Feb. 8, in Room 101 Kern Bldg. The meeting is sponsored by the Central Pennsylvania Society of the Archaeological Institute of America.

Prof. Cameron will describe how the best frescoes were manufactured, supported on their walls, painted and polished. Last spring, his university attempted to duplicate Minoan mural painting processes and techniques, and he will trace these attempts.

New officers for the society have been elected. They are Dawson Kiang, associate professor of art history, president; Wilma Stern, instructor in art history, vice-president; and Nydia Finch, administrative aide, Philosophy, secretary-treasurer.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., **Feb. 10, 1977. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

SENIOR BENEFITS SPECIALIST, PERSONNEL ADMINISTRATION — UNIVERSITY PARK Duties include meeting with University employees, retirees and beneficiaries concerning the University's insurance and retirement programs. Prepare retirement options. Assist with planning and conducting pre-retirement counseling programs. Contact employee beneficiaries to arrange for settlement. Verify the eligibility of employees registered for courses under the educational privileges policy. Bachelor's degree or equivalent in business administration, plus two to three years of directly related experience. Insurance experience necessary.

UNIVERSITY PSYCHIATRIST, STUDENT AFFAIRS, MENTAL HEALTH — University Park Responsible to the Director, Mental Health Center, for providing psychiatric and neurologic consultation, limited therapy, and provide consultation services to various departments and agencies of the University. Medical doctor's degree required, with post-graduate training in psychiatry and neurology. Five to seven years of directly related experience required in psychiatry. Position is available July 1, 1977.

FINANCIAL AID COUNSELOR, STUDENT AFFAIRS, FINANCIAL AID — University Park Responsible to the Director of Student Aid for counseling students on financial aid matters and for assisting in internal administration of financial aid programs. A master's degree or equivalent in student personnel services, counselor education, or higher education, plus up to one year of directly related experience.

ASSISTANT MANAGER, HOUSING AND FOOD SERVICES — Hazleton Responsible to Manager, Housing and Food Services, Commonwealth Campuses for assisting in supervising the overall operation of the Housing and Food Service units. Associate degree in Institutional Management, or equivalent, plus two years of directly related experience in food supervision.

Funding Sources

For further information, call 865-1372

(257-1) Economic benefits for Pennsylvania through **preventive maintenance activities** and **handling of specialized industrial waste** are top priority areas for 1977-78 PENNTAP proposals. A proposal requirements outline is available from G. A. Spearly, 865-0453, Room 505 Keller Bldg. April 1 is the submission deadline. (Ref. F B F memo 1/14/77)

(257-2) The Office of Education has published regulations for **Native American Programs,** which include training, technical assistance, research, demonstration, and pilot projects (Ref. 42FR3781-89, 1/19/77) (CFDA 13.612)

(257-3) HEW has issued proposed amendments to implement **OMB Circular No. A-110,** "Grants and Agreements with Institutions of Higher Education . Uniform Administrative Requirements." Included are sections on cost sharing, budget revision, and grant application procedure. (Ref. 42FR1437-57, 1/24/77)

(257-4) The National Endowment for the Humanities (NEH) supports a grant program for projects initiated and conducted by young people called **Youthgrants in the Humanities.** The program includes: design or conduct of an education program, study or research of a specific problem, and dissemination or application of humanistic knowledge. The next deadline is April 1 for starting in September, and Nov. 15 for March 1978 starts. (Ref. ibid)

Allocation released

(Continued from page 1)

natural gas for use by others in the Columbia Gas system for the duration of this current heating season. The reallocation priorities for this released supply will be determined by Columbia Gas.

University Park has moved to a fuel mode which will involve continued increased levels of coal usage, with supplementary use of fuel oil during demanding situations. A satisfactory coal supply is on hand.

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Penn State Intercom

Speech program rated third

The University's Department of Speech Communication is rated among the top three graduate departments in the United States, according to research presented at the national convention of the Speech Communication Association.

Dr. Robert S. Brubaker, professor and head of the department, said 227 randomly selected members of the association, all of whom hold doctoral degrees, were sampled.

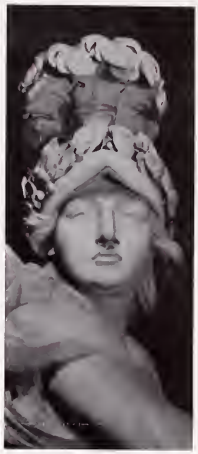
The study, conducted by Professors Renee Edwards and Larry Barker, of Auburn University, employed peer rating methods developed by Dr. Kenneth D. Roose, former dean of the College of the Liberal Arts at Penn State.

Respondents were asked to rate aspects of the programs of 43 universities offering a Ph.D. in speech communication. Ratings given by respondents to their alma maters or employing institutions were eliminated to avoid bias. A total of 190 persons completed the survey, ranking graduate programs for excellence in branches of study commonly offered in departments of speech communication.

In mass communication, including broadcasting, Penn State tied with Purdue at 17th place. In interpersonal communication, which includes study of group discussion, Penn State was fifth, and in general speech communication, including rhetonc, it was fourth. In historical-critical studies of public address, the University was rated fourth.

Penn State ranked third, preceded by the Universities of Iowa and Wisconsin-Madison, in overall quality of work offered.

Dr. Brubaker said 80 percent of the evaluators contributing to the survey held the rank of professor or associate professor, and 89 percent had authored scholarly articles and books.



Detail of figure by Giuseppe Rusconi, from Early Eighteenth-Century Sculpture in Rome.

PLRB says March 30-31

Representatives of the Pennsylvania Labor Relations Board have announced that the date of the faculty collective bargaining representation election at Penn State will be Wednesday and Thursday, March 30-31.

Faculty members will be given three choices on the ballot: American Association of University Professors, Pennsylvania State University Professional Association, or no representative.

Additional details regarding the election will be carried in next week's INTERCOM.

Faculty forms independent group

A group of Penn State faculty members who oppose unionization of the faculty has formed the Penn State Independent Faculty.

The purpose of the group, according to steering committee member Dwight Younkin, professor of animal science extension, is to prevent the unionization of the faculty and to promote the faculty's independence.

The group favors voting for "no representative" when the collective bargaining election is held this spring, Mr. Younkin said.

Another committee member, Ann Overbeck, assistant professor of social welfare, said: "This organization is independent of the University administration."

Also on the steering committee are Roy Buck, professor of sociology and social science, and E. C. Masteller, associate professor of biology at Behrend College.

The group, which was formed last Saturday, seeks the support of all faculty members who are eligible to vote in the coming election.

"It is the majority of those voting who will decide whether the faculty is unionized," Mr. Younkin said, "so it is important for all members of the faculty to vote."

Additional information will be mailed to faculty members soon, Mr. Younkin said, adding that faculty members interested in serving on the steering committee should contact him.

Action postponed

To provide for additional discussion, the University Faculty Senate has postponed action on a remedial education proposal until its March 1 meeting.

The legislative report of the Joint Presidential-Senate Commission to Study Remedial Education was introduced and discussed at the Feb. 1 Senate meeting.

The report recommends that Penn State inaugurate a compulsory experimental writing program for incoming students over the next five years to develop and test strategies to improve basic writing skills.

(Continued on page 2)

News in Brief

Choirs to sing in Pittsburgh

The University Choirs under the direction of Raymond Brown, professor of music, will give three performances of Rachmaninoff's "The Bells" Feb. 17, 18 and 19 at Heinz Hall in Pittsburgh.

This will be the first choral concert conducted by the Orchestra's new music director, Andre Previn.

The Choirs have appeared with the Pittsburgh Symphony on 17 occasions in an association that began in 1969 when the-then music director William Steinberg invited them to sing Bruckner's "Te Deum." In 1971, they participated in the opening of Heinz Hall, performing Mahler's Second Symphony under Dr. Steinberg.

In 1973, the Choirs gave three performances of Beethoven's Ninth Symphony with Dr. Steinberg, two in Heinz Hall and one in Carnegie Hall in New York. That same year, they sang Brahm's "German Requiem" when the Pittsburgh group appeared on the Artists Series. The Choirs and Orchestra again joined forces for the opening of University Auditorium in 1974 and the following year did Verdi's "Requiem" both in Heinz Hall and at Penn State. Their last collaboration was the world premiere of "Be Glad Then America."

Calendar data due

INTERCOM's spring term calendar will appear in the March 10 issue. Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, 865-2501, by Feb. 23.

Job hunting?

From time to time, the University's Affirmative Action office receives information about employment vacancies — both academic and non-academic — at other institutions. These will be posted on the Affirmative Action bulletin board, which is located outside Room 124 Willard Bldg., so anyone who is interested can review them.

Students "call in" $28,000

Student volunteers at the University seeking support of alumni for scholarship programs have obtained pledges totaling more than $28,000. The second annual Scholarship Phonathon, which ended Monday, Jan. 31, resulted in 2,590 University graduates making pledges amounting to $28,623.

Penn State students who are receiving scholarship aid and members of campus honorary societies and service organizations began the Phonathon Jan. 16, contacting alumni throughout the State and asking them to contribute to the University's major scholarship programs.

According to David L. Colton, director of development field services in the Office of Gifts and Endowments who coordinated the Phonathon, $13,041 was pledged in the 1976 Phonathon, but a total of $25,347 was received from alumni who were called.

Bookstore welcomes browsers

All departments may purchase items in Penn State's Bookstore using Inter-Departmental Transfer (IDT). The store has expanded in the past year and now offers many more items. Articles ranging from Penn State imprinted souvenirs to office supplies are available on the ground floor and first floor of the HUB. The McAllister Bldg. section offers students, faculty and staff not only course readings but also a trade book department with best sellers, dictionaries, and technical reference materials. There is a special order department to handle individual needs. The bookstore welcomes browsers.

"An Evening in Black"

"An Evening in Black," featuring Ossie Davis and Ruby Dee, will highlight the University's Black History Celebration this week. The two will appear at 8 p.m.

From the Press

Early Eighteenth-Century Sculpture in Rome: An Illustrated Catalogue Raisonne, by Robert Enggass. Vol. I, Introduction and Catalogue; Vol. II, Plates. 424 pages, 263 illustrations. $60.

Dr. Enggass, of the University of Kansas and a former faculty member at Penn State, has opened up a neglected area of study by documenting works in Rome of 21 sculptors active there dunng the post-Baroque period. Each work receives a separate catalogue entry including the source material on which attribution and dating are based. A majority of the illustrations were taken specifically for this volume and offer new insights into the aesthetic concerns of the artists.

The introduction includes a general background and history of 18th-century art patronage by the papacy at a time when Rome was still an international center. Dr. Enggass provides biographical material on each sculptor and describes stylistic developments during this transitional period.

Seven Victorian Architects, edited by Jane Fawcett; introduction by Nikolaus Pevsner. 160 pages, 121 illustrations. $13.50.

Only recently scorned as monstrosities, the buildings designed by Victorian architects are now returning to public favor. Historicism, a reliance on inspiration by styles of the past, was the dominant aspect of Victorian architecture, but the individual architect's response to earlier styles varied widely.

This study presents the largely unpublished work of William Burn, Philip

(Continued on page 3)

PENN STATE COLLECTION

Faculty Notes

Harold Altman, who retired from the University as professor of art in December, is presenting a retrospective of his work during nearly 15 years on the faculty, through Feb. 18 in Zoller Gallery.

The exhibit features many prints that have won awards in national competition exhibitions, and five of his most recent works completed in Paris in the winter of 1976.

Mr. Altman has had numerous one-man exhibitions in museums and galleries throughout the United States, Europe and Mexico. His awards and fellowships include a Tamannd Lithography Workshop Fellowship, two Guggenheim Fellowships, a National Institute of Arts and Letters Grant of $2,500, and a Fulbright Hays Senior Research Scholar Fellowship to France.

His work is represented in many public and private collections. Among them are the Art Institute of Chicago; the Boston Museum of Fine Arts; the Cleveland Museum of Art; the Detroit Institute of Arts; the Bibliotheque Nationale, Paris; the Kunstmuseum, Basel; the Royal Museum of Fine Arts, Copenhagen; the Stedelijk Museum, Amsterdam; the Victona and Albert Museum, London; and the Museum of Modern Art, the Whitney Museum, and the Metropolitan Museum in New York.

Born in New York City, Mr. Altman attended the Art Students League, Black Mountain College, and the Academie de la Grande Chaumiere in Paris. He is a graduate of the Cooper Union Art School. Prior to his appointment at Penn State in 1962, he was on the faculties of the University of Wisconsin, Indiana University, the University of North Carolina, and the New York State College of Ceramics at Alfred University.

Dr. Barry Voight, associate professor of geology, is the editor of a new book, *Mechanics of Thrust Faults and Decollement*, published by Dowden, Hutchison, and Ross, Inc., Stroudsburg.

The work is the 32nd in the Benchmark Papers in Geology semes being edited by Rhodes W. Fairbridge of Columbia University. It is made up of 47 articles originally published in various U.S. and European professional journals. These are described as providing the only contemporary historical analysis of developments in thrust fault mechanics as well as the most detailed presentation available of the history of employment of the "effective stress" principle in geological mechanics. In addition to selecting the articles to be included in the book, Dr. Voight has also written comments on them.

Dr. Gideon Golany, professor of urban and regional planning, presented a paper to the 4th International Conference of Architects and Engineers in Israel. His topic was "A Quantitative Method for Land Use Planning." Dr. Golany also served as co-chairman of a panel, Role of Land Use Planning in Development.

Ernest E. Fryer, who has just received a 25-year chair at Behrend College, stands second in seniority in years of service there. (Louis Balmer, associate professor of chemistry, is first.) Head of the Division of Undergraduate Studies at the College and an assistant professor of psychology, Mr. Fryer earned his bachelor's and master's degrees at Penn State.

A Boyertown native, he started out as director of the speech and hearing clinic when Behrend was a Penn State Center,



and he was the only speech pathologist in the Erie area. He later taught psychology and then became assistant director for resident education at Behrend, director of the Division of Counseling, and director of Career Development and Placement.

Mr. Fryer has been very active in the Erie community, serving as founding president of the Greater Erie Anti-Poverty Commission and on the boards of the Family and Child Service, the Lutheran Home for the Aged and the Bethesda Home for Children in Meadville. He was a member of the University Faculty Senate for eight years.

Dr. Robert L. Cohn, assistant professor of religious studies, is the author of "The Mountains and Mount Zion," published in the winter 1977 edition of Judaism.

Dr. Harold Gilmore, associate professor of management at Capitol Campus, is the author of "Quality Assurance and National Development: A Study of Zambia," an article in Quality Progress.

Dr. R. V. Ramani, associate professor of mining engineering, recently gave three lectures in India. He discussed "The Application of Mathematical Programming in Resource Management" as a part of a four-week course on Resource Management Using Computers given by the College of Engineering at Guindy, Madras. At the Indian School of Mines, Dhanbad, he lectured on "Surface Mining and Safety" during a short course on surface mining, and he spoke on "Surface Mining Technology in the U.S.A." to the Engineers and Scientists Association of Neyveli.

Dr. John P. McNavage, assistant professor of English at New Kensington, is having a photographic exhibit at the Campus. Many of the photographs in his show were taken in preparation for a future book on the seasons in the Allegeheny National Forest. For the past two years, Dr. McNavage has had work accepted in the Photography Juned Show at Three Rivers Arts Festival and in 1975 won an Honorable Mention there.

Dr. Paul A. Games, professor of educational psychology, has been elected a Fellow of the Division of Evaluation and Measurement of the American Psychological Association.

Linda Plotkin, assistant professor of art, has been awarded a residency fellowship for printmaking at the MacDowell Colony in Peterborough, N.H. She also held a MacDowell Fellowship last spring.

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Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Research orientation workshop set

A research orientation workshop for all faculty members in the social and behavioral sciences and the humanities will be held March 3 and 4 at University Park.

The workshop is being sponsored by the Research Committee of the College of Education, chaired by Dr. Dennis M. Roberts, in collaboration with the Colleges of the Liberal Arts, Health, Physical Education and Recreation, and Human Development.

It evolved from a proposal made by Dr. Linda D. Shoop, assistant professor of educational psychology at the New Kensington Campus, and Dr. Helen I. Snyder, associate professor of educational psychology

Purpose of the workshop, to be limited to 150 participants, is to encourage faculty research and foster research development through faculty interaction.

Dr. Snyder said participants should have the definite intent of undertaking a research effort, however modest, during the 1977-78 academic year. The initial focus of the research may be nebulous, she noted, and the workshop is designed to help clarify, focus and perhaps broaden the scope of the individual faculty member's ideas.

During the workshop, participants will be given the opportunity to talk with relevant administrative officers about the needs each faculty member has in the way of supportive services and assistance.

The first session, which will begin with registration at noon Thursday, March 3, will focus on problem identification, with a group meeting on "Problem Identification: What is Researchable in Our Fields?" Discussion topic at the 5:30 p.m. dinner meeting will be "Priorities in Research in the Social Sciences."

The second session on Fnday, March 4, will cover problem implementation. The 9 a.m. group meeting on "Problem Implementation. Getting Underway," will be followed by small group sessions on historical analysis, survey studies, experimental investigations, and Department of Health, Education and Welfare guidelines on research with human subjects.

The third and final session on Friday afternoon will concern "Research Writing Activities and Funding." Small group sessions will cover proposal writing, funding sources, publication of research results, HEW guidelines, and computerized literature review.

Pre-registration forms for the Research Orentation Workshop may be obtained from the associate directors for academic affairs at the Commonwealth Campuses and these College representatives: John B. Smith, College of the Liberal Arts; Robert E. Shute, College of Health, Physical Education and Recreation; Carl E. Young, College of Human Development; and Dennis M. Roberts, College of Education.

News in Brief

(Continued from page 1)

on Fnday, Feb. 11, in Schwab Auditorium.

Mr. Davis and Miss Dee will offer dramatic readings, anecdotes and African folk tales dunng their appearance, and admission is free. A public reception for the pair will follow at the Paul Robeson Cultural Center in Walnut Bldg.

Mr. Davis, a playwright, director and actor has numerous movie, stage and television credits. Miss Dee, an actress and writer, is probably best known for her role in the film, *A Raisin in the Sun*.

Two films about Malcolm X will be presented at 2 p.m. and 7 p.m. on Saturday, Feb. 12, in the HUB assembly room. The films are *Malcolm X Speaks*, a documentary, and *The Struggle for Freedom*, which describes a trip Malcom X made to Europe and Africa shortly before his assassination.

On Sunday, Feb 13, there will be an international dinner featuring black foods from around the world. The buffet will be held from 4 p.m. to 7:30 p.m. at the Wesley Foundation, 256 E. College Ave., and tickets are $3 if purchased in advance at the Paul Robeson center or $3.50 at the door.

The celebration is sponsored by the Black Caucus, in conjunction with seven black fraternities and sororities, the Paul Robeson center, the Black Studies Program, the Forum on Black Affairs, the Federation of Puerto Rican Students, and the Afncan Students Association

HUB Valentine dinner

Valentine's Day will come a little early at the HUB Terrace Room with a candlelight dinner to mark the occasion on Fnday and Saturday, Feb. 11-12, from 4:45 to 7 p.m. The menu includes veal paprika, prime nbs of beef, roast turkey with cornbread stuffing, devilled crabs, stuffed pork birds and grilled ham steak.

Senate

(Continued from page 1)

Principal elements of the program are Writing Centers and a corrective basic skills course.

The commission also recommends that a basic arithmetical skills test be administered to all entering students. The commission's other recommendations and a summary of its report appeared in the Jan. 27 issue of INTERCOM.

In last Tuesday's discussion of the proposals, several senators questioned whether the University has responsibility for conducting remedial courses, and others expressed concern over the cost of the programs which the commission has estimated might be $500,000 annually.

Noting that the University is in a difficult period from the standpoint of funding, President Oswald said that "when an issue involves one-third of our students, we must give it high priority." He said he has asked for a full budget analysis to determine the implications of the commission's proposals.

"We're not dealing with a remedial problem," Dr. Oswald added, "but with one of quality students who don't have the necessary tools. We have a responsibility to them and a responsibility to fund the resources."

Marjorie Pyle, representing the student senators, said the student caucus was opposed to the proposal pnmanly because it would be mandatory. The caucus feels it should be an optional program.

Pointing out that the student senators found some worthwhile items in the proposal, she said they felt there was not enough data to show that a large new program was needed, and they also were concerned about the cost.

In other business, the Senate:

— Postponed action on procedures for student evaluation of courses until the April meeting when a report from the Faculty Affairs Committee is expected.

— Received informational reports on special admission programs for high school seniors and an extended degree program in law enforcement and corrections.

— Approved a constitutional change regarding Senate membership.

University Park Calendar

February 10 — 20

Special events

Thursday, Feb. 10

A.P.E.S. film, "Tutankhamen, the Immortal Pharaoh," 7:30 p.m., Room 269 Willard.

A.A.U.W. meeting, "The Political Woman," 8 p.m., Room 101 Kern.

University Theatre, "The Beggar's Opera," 8 p.m., Playhouse Theatre.

Dr. B. Gurevitz, Institute of Research for USSR and Eastern Europe, University of Tel Aviv, on "The Superpowers in the Middle East," 8 p.m., Room 321 HUB.

Artists Series, Rampal and Veyron-LaCroix, flute and harpsichord, 8:30 p.m., Schwab Auditorium.

Friday, Feb. 11

Valentine Candlelight Dinner, 4:45-7 p.m., HUB Terrace Room.

Folk, Square, and Ballroom Dance Roundup, 7:30 p.m., White.

Theatre performance, "Veronica's Room," 8 p.m., Room 112 Kern.

University Theatre, "The Beggar's Opera," 8 p.m., Playhouse Theatre.

Black History Celebration, "An Evening in Black" — dramatic readings, anecdotes, and African folk tales, presented by Ossie Davis and Ruby Dee, 8 p.m., Schwab. Public reception follows in Paul Robeson Cultural Center

Saturday, Feb. 12

Sports: Women's fencing, vs. William Patterson, Madison, Jersey City, 9 a.m.; men's fencing, vs. Navy, 1 p.m., men's and women's bowling, vs. American University, 1 p.m., men's and women's rifle, vs. Ohio State, 2 p.m., men's swimming, vs. Indiana, 2 p.m., wrestling, vs. Lehigh, 2 p.m., men's basketball, vs. Navy, 7:30 p.m.

Black History Celebration films, "Malcolm X Speaks" and "The Struggle for Freedom," both at 2 and 7 p.m., HUB assembly room.

Valentine Candelight Dinner, 4:45-7 p.m., HUB Terrace Room.

Un-Common Dinner Theatre, dinner 6:30 p.m., play, "Veronica's Room," 8 p.m., Rooms 102 and 112 Kern.

University Theatre, "The Beggar's Opera," 8 p.m., Playhouse Theatre.



Flutist Rampal and Veyron-LaCroix at the harpsichord, tonight on the Artists Series.

Penn State Symphony Orchestra, 8:30 p.m., University Auditorium.

Sunday, Feb. 13

Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Yoshio Fukuyama, religious studies

Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Pastor Gerald G. Loyd

P.S.O.C. Hiking Division, snowshoe hike, 9 a.m., HUB parking lot.

P.S.O.C. Canoe Division, indoor canoe and kayak races, Natatorium, finals 2 p.m.

Lowell Knauer, organ, and Kevin Clemens, organ, 3:30 p.m., Music Bldg. recital hall.

Un-Common Dinner Theatre, dinner 6:30 p.m., play "Veronica's Room," 8 p.m., Rooms 102 and 112 Kern.

Tuesday, Feb. 15

Economics faculty meeting, 3 p.m., Room 101 Kern.

Sports: Women's basketball, vs. Edinboro, 6:30 p.m.

Artists Series Film Festival, Hitchcock, "Secret Agent," 8 p.m., University Auditorium.

Sigma Delta Chi Lecture, Charles Perlick, President of Amencan Newspaper Guild, on "The Future of Newspaper Unionism," 8 p.m., Room 112 Kern.

Wednesday, Feb. 16

Sports: Men's basketball, vs. West Virginia, 7:30 p.m.

G.S.A. Commonplace Theatre, 7:30 and 9:30 p.m., Room 112 Kern.

Composer's Concert, 8:30 p.m., Music Bldg recital hall

Thursday, Feb. 17

Penn State Federal Credit Union meeting, 7:30 p.m., Room 101 Kern.

Sports: Women's swimming and diving, vs Bucknell, 7 p.m.; women's gymnastics, vs. Clarion, 7:30 p.m.

Friday, Feb. 18

International Council film, "Loves of a Blond," 8 p.m., Room 112 Kern.

Last day for signing Winter Term Emergency Loans, Room 108 Shields.

Saturday, Feb. 19

Winter term classes end 12:25 p.m.

Sports: Men's and women's bowling, Penn State Invitational, 1 p.m.; women's basketball, vs. Millersville, 2 p.m.; women's swimming and diving, vs. Clarion, East Stroudsburg, 2 p.m., men's and women's gymnastics, vs. Indiana State, 7:30 p.m.

Last date for graduate students to petition to graduate in absentia in March.

Sunday, Feb. 20

Chapel Service, 11 a.m., Eisenhower Chapel. Dean Donald H. Ford, College of Human Development

Black Christian Fellowship worship service, 11:15 a.m., Eisenhower. Pastor Gerald G. Loyd

P.S.O.C. Hiking Division, exploration of Old Hairy John's Trail, 9 a.m., HUB parking lot.

Seminars

Monday, Feb. 14

Biochemistry/Biophysics, 3:55 p.m., Room 101 Althouse. Nick Pelick, Supelco, Inc., on "Chromatography of Lipids and Lipid Derivatives."

Genetics, 3:55 p.m., Room 108 Tyson. Toby Stout on "Chapter 22 from 'Cytoplasmic Genetics and EVOLUTION' BY Paul Grun: Roles in Evolution of Cytoplasmically Inherited Factors"

Computation Center, 4 p.m., Room 110 Comp. Bldg. Statistically Programming (I).

Tuesday, Feb. 15

Environmental Design and Planning, 9:35 a.m., Room 318 Sackett. Donald Girouard, landscape architecture, on "Landscape Reclamation."

Plant Pathology, 9:45 a.m., Room 213 Buckhout Vann Gregory on "Rice Alone."

Food Science, 11:10 a.m., Room 201 Borland Doug Pelsy on "Antimicrobial Properties of Lysozyme."

Water Pollution Control, 2:20 p.m., Room 124 Sackett. Alonzo William Lawrence, Koppers Co., Inc., Pittsburgh, on "Environmental Resources Activities at Koppers."

Chemical Engineering, 3:45 p.m., Room 140 Fenske, Barrett L. Cupples, Gulf Research & Development Co., on "Synthetic Lubricants and Related Functional Fluids."

Nuclear Engineering, 3:50 p.m., Room 203 Sackett Mary G. White, ERDA (Plutonium Program), Las Vegas, on "Environmental Studies of Plutonium at the Nevada Test Site."

Aerospace Engineering, 4 p.m., Room 232 Hammond. Major John V. Kitowski, Aeromechanics Division, Wright-Patterson Air Force Base, on "Technology Transition for Future Air Force Systems."

Geosciences, 4 p.m., Room 22 Deike James M. Coleman, marine sciences, Louisiana State University, on "Modern River Deltas Variability of Processes and Sand Bodies."

Inorganic Chemistry, 8 p.m., Room 333 Whitmore Loren Beard on "Applications of Nuclear Magnetic Resonance of Metal Nuclei."

Wednesday, Feb. 16

Environmental Design and Plannng, 9:35 a.m., Room 318 Sackett. Gideon Golany, architecture, on "A Quantitative Method for Land Use Planning and Site Selection."

Thursday, Feb. 17

Chemistry, 12:45 p.m., Room 333 Whitmore. Donald F. Hunt, University of Virginia, on "Chemical Ionization Mass Spectrometry: Analytical Applications of Ion Molecule Reactions."

Physics, 3:50 p.m., Room 117 Osmond. Arthur Ashkin, Bell Laboratories, Holmdel, on "Optical Levitation and Radiation Pressure"

Meteorology, 4 p.m., Room 26 Mineral Science. Ralph Jones, NMC Development Division, Washington, D.C., on "Objective Analysis on Isentropic Surfaces for Numerical Weather Prediction."

Microbiology/Cell Biology, 4 p.m., Room 52 Frear Robert S. Puskas on "Regulation of Anuno Acid Biosynthetic Enzymes by Transfer RNA"

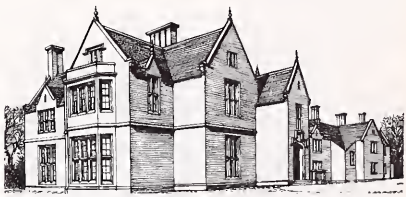


Illustration from Seven Victorian Architects

From the Press

(Continued from page 1)

and P.C. Hardwick, Sydney Smirke, J.J. Pearson, G.F. Bodley, Alfred Waterhouse and Edwin Lutyens. In addition to country houses, various other building types are represented, including railway terminals, libraries, docks, shopping areas, museums, hospitals and working class housing. The contributors are David Walker, Hermione Hobhouse, J. Mordaunt Crook, David Lloyd, David Verey, Stuart Allen Smith and Roderick Gradidge.

A Voice Still Heard...The Sacred Songs of the Ashkenazic Jews, by Eric Werner. 368 pages, illustrated with numerous musical examples. $18.75.

For the first time, the history of these venerable songs, their liturgical, musical, social and political background is examined and described. The author, the leading authority in the field of Jewish and Early Christian music, is professor emeritus of Jewish music at Hebrew Union College's Jewish Institute.

Beginning a millennium ago with prototypes of the synagogue chant, Dr. Werner shows the difference between original folksong and its stylization and between Christian and Jewish esthetics of religious music. The interaction between secular, romantic music and synagogal music is also traced. This is a publication in the Leo Baeck Institute Series, and a 25-minute cassette of synagogal music from the text chanted by Cantor Erwin Hirsch is available for $5.

1977-78 leaves of absence

John O. Almquist, professor of dairy physiology, to write up results of two projects on the reproductive capacity of beef and dairy bulls and to prepare a new course in Applied Reproductive Physiology of Farm Animals. Feb. 1 — July 31, 1977.

David R. Anderson, associate professor of zoology at Fayette, to do research on parasite biology which could be applied to Pennsylvania's white-tail deer herd in conjunction with the State's limited elk population. Spring, summer, and fall terms, 1978.

Robert M. Bear, associate professor of finance, to work on research and development of coal futures contracts. Dec. 1, 1977 — May 31, 1978

Richard M. Bergland, professor of surgery at Hershey, to perform experiments at the Florey Institute, Melbourne, Australia, to determine pituitary secretions to the brain. Jan. 1-June 30, 1978

Robert J. Bresler, associate professor of political science and social science at Capitol Campus, to complete a study, "The Bargaining Chip and SALT," which will include research in governmental documents pertaining to weapons systems and interviews. Winter and spring terms, 1978.

Emory J. Brown, assistant director for programs, Cooperative Extension Service, to assist the administrators of the National 4-H Council to develop short-range and long-range organizational and programming policies. Jan. 1-June 30, 1978.

W. Dale Brownawell, associate professor of mathematics, to spend a year in Cologne, West Germany, to investigate whether several variable neuanlinra theory can be used to give a good measure of linear independence for entire functions Sept. 1, 1977 — May 31, 1978

Robert S. Brubaker, professor and head of speech communication, to conduct research at Haskins Laboratories and the University of Edinburgh, two of the leading research centers in speech synthesis Winter and spring terms, 1978.

Parris H. Chang, professor of political science, to undertake a research project on China's military-industrial complex and its influence on China's national security policy. Sept. 1, 1977 — May 31, 1978.

C. Conrad Cherry, professor of religious studies, to write a book analyzing the symbolic meaning of physical nature in American religion from Jonathan Edwards to Horace Bushnell. Winter and spring terms, 1978

Paul R. Cornwell, associate professor of psychology, to learn the neurophysiological techniques of recording electrical activity from single neurons in the association cortex of monkeys with Dr. C. Gross of the Department of Psychology at Princeton University. Fall term, 1977, and winter term, 1978.

John K. Cowan, associate professor of English, to complete book entitled *Bushwhacked on the Road to Valhalla: British Authors in the Age of Determination, 1880-1930.* Sept. 1, 1977-Feb. 28, 1978.

Robert J. Cuffey, associate professor of paleontology, to carry out research on Australan reef-dwelling bryozoare as infarative analogues to comparable fossil materials at James Cook University and the Australan Institute of Marine Sciences in Townsville, Queensland, Australia Sept. 1, 1977-Aug. 31, 1978

Robert L. Cunningham, professor of soil genetics and morphology, to study with the Division of Soils, Commonwealth Scientific and Industrial Research Organization, Canberra, Australia, and to do research on land use as it relates to agricultural soil capacity among different environments. Jan. 1-June 30, 1978

Bennett Dyke, associate professor of anthropology, to work with Dr. A. J. Boyce of the Department of Biological Anthropology, Oxford University, England, on the demographic, genetic and mating structure of the Island of Sanday, Orkney Is. Aug. 30, 1977 — March 6, 1978.

Larry R. Eckrat, associate professor of biology, to participate in a postdoctoral training program in medical genetics at the University of Michigan Medical School. July 1, 1977 — June 30, 1978

Paul Edmonston, associate professor of art education, to allow artist to produce a series of human images representative of the highest and most admirable qualities of beauty, dignity and compassion, based on living models from as many divergent cultures as can be found. Sept. 1, 1977 — Feb. 28, 1978.

Donald H. Ford, professor of human development and dean of the College of Human Development, to develop a conceptual framework for understanding the functioning of a person as an open system; to study the emerging theoretical, empirical and methodological literature concerning lifespan development; and to prepare for return to active teaching role after ten years of administrative responsibilities. Sept. 1, 1977 — May 31, 1978.

Daniel R. Frankl, professor of physics, to do research on molecular beam scattering from crystal surfaces at Berkeley; and to visit laboratories throughout Europe. Sept. 1, 1977 — Feb. 28, 1978.

Joseph L. French, professor of special education and educational psychology, to review literature, visit Educational Testing Service, and visit institutions enrolling children with complex handicaps. Sept. 1, 1977 — Aug. 31, 1978

Stuart Frost, professor of art, to create a series of large drawings/paintings and develop a photographic record on the processes of picture making Winter and spring terms, 1978.

David P. Gold, professor of geology, to study kimberlite emplacement mechanism and operational procedures for Fission Track Age Dating group at the Branch of Isotope Geology of the U.S. Geological Survey in Denver, Co. Sept. 1, 1977 — Feb. 28, 1978.

Kenneth Goodwin, professor and head of poultry science, to work with Dr. Hans Abplanalp and Dr. Ursula Abbot in the Department of Avian Sciences at the University of California at Davis, doing research and study in animal genetics Fall term, 1977, and winter term, 1978.

Stephen R. Grecco, associate professor of English, to accept invitation from Alvin Epstein, director of the Tyrone Guthrie Theater in Minneapolis, Minn., to be a visiting dramaturge during the 1977-78 season; and to write a full-length play tentatively entitled *The Manor Life.* Sept. 1, 1977 — May 31, 1978.

Frank E. Greene, associate professor of pharmacology at Hershey, to work with Dr. S. Orrenius of the Karolinska Institute of Stockholm, Sweden, in the field of drug metabolism and the role of endocrine regulation of hepatic and extra-hepatic xenobiotic metabolism Sept. 1, 1977 — Aug. 31, 1978.

Cyril E. Griffith, associate professor of history, to complete research work in Africa for a comprehensive study of African Methodist missions in Africa Fall term, 1977, and winter term, 1978.

Laurie M. Gunter, professor of nursing and human development, to obtain data and observations on black, middle class elderly persons for the purpose of teaching courses in adult health and aging and transcultural health; and to visit various universities and organizations. Sept. 1, 1977 — Feb. 28, 1978

Frank Haight, professor of statistics and transportation, to work with Drs. Whittle and Kendall at Cambridge University, England, in the Departments of Pure Mathematics and Mathematical Statistics and Applied Mathematics. Fall term, 1977; winter and spring terms, 1978

Martha T. Halsey, associate professor of Spanish, to continue, in book form, studies of the group of Spanish playwrights known as the "realista generaton." Winter and spring terms, 1978.

Roy Hammerstedt, associate professor of biochemistry, to work with Dr. H. A. Lardy and associates at the Institute for Enzyme Research at the University of Wisconsin in the area of mitochondrion in sperm cell energetics. Sept. 1, 1977 — Aug. 31, 1978.

Dorothy V. Harris, professor of physical education, to complete book, *The Female in Physical Activity,* and to begin book entitled *Psychology, Education and Sport* and other manuscripts for publication. Winter and spring terms, 1978.

Edward Eyre Hunt Jr., professor of anthropology and health education, to complete book, *Human Health: An Introduction to Medical Anthropology* Dec. 1, 1977 —Feb 28, 1978, Dec 1, 1978 — Feb. 28, 1979.

Leonard S. Jefferson Jr., professor of physiology at Hershey, to spend six months as the first Visiting Scientist of the Diabetes-Endocrinology Center at Vanderbilt University. Feb. 1 — July 31, 1977.

Nicholas A. Joukovsky, assistant professor of English, to complete an edition of the letters of Thomas Love Peacock. Part of the leave will be spent at the Pforzheimer Library, Bodleian Library in Oxford, and at the British Library in London, England. Dec. 1, 1977 — May 31, 1978.

Philip G. Keeney, professor of food service, to visit several research and product development laboratories and to visit universities having progressive instructional programs in food science. One month will be spent in Brazil advising scientists of the Cocoa Research Center in Bahia and studying food processing technology of frozen dessert manufacture. July 1 — Dec. 31, 1977.

Dawson Kiang, associate professor of art history, to work on libraries and museums in New York City area on Hellenistic-Roman iconography and hard-stone sculpture in the Ancient World. Winter and spring terms, 1978.

C. Gregory Knight, associate professor of geography, to undertake research and establish professional contacts concerning environmental management in developing countries at universities in West Africa. Winter and spring terms, 1978

Ronald S. Koot, professor of management science, to study returns to scale in the credit union industry. Fall term, 1977, spring term, 1978.

Eugene Kozik, associate professor of industrial and management systems engineering at King of Prussia, to complete manuscript on data management systems Jan. 1 — June 30, 1977.

Allan M. Krall, professor of mathematics, to prepare and write book on a new approach to the presentation of ordinary differential equations with newer, more current topics, and to conduct research in ordinary differential equations and distribution theory. March 1 — Aug. 31, 1978.

Gerard Lachs, professor of electrical engineering, to do research in the area of photocount statistics and neural counting statistics at Columbia University. Sept. 1, 1977 — May 31, 1978.

Roland M. Leach Jr., professor of poultry science, to work in the Department of Nutrition at the University of California at Davis and to study the effect of a mutant gene on copper metabolism and copper dependent connective tissue proteins. Sept. 1, 1977 — Feb. 28, 1978.

Ronald W. Linker, associate professor of European history, to work on *The Stuarts of Bute: A Dual Biography of John, Third Earl of Bute (1713-1792) and His Brother, James Stuart Mackenzie (1719-1800).* Fall term, 1977; winter term, 1978

Peter B. Meyer, associate professor of economic planning, to conduct research on community economic development strategies and alternatives in cooperation with the Center for Community Economic Development in Cambridge, Mass. Aug. 29, 1977 — March 5, 1978.

Warren T. Morrill, professor and head of anthropology, to write a monograph on the population of St. Barthelemy, French West Indies, and to prepare a theoretical book on the interaction of culture and cognition. Dec. 1, 1976 — May 31, 1977.

Monroe Newman, professor of economics, to explore recent legislative and program developments and evalute their significance; to study the implications of a new approach to Federal financial assistance to state and localities, and the application of macroeconomic regional models, the evolution of evaluation methodologies in regional economic development programming and to consider the implications of the spread of regional economic development commissions Dec. 1, 1977 — May 31, 1978

Sverker Persson, professor of agricultural engineering, to complete additional material for a textbook on the theory of agricultural machine elements in Europe March 1 — Aug. 31, 1977.

Donald L. Peters, associate professor of human development, to prepare for the 9th International Congress of the International Association of Workers for Maladjusted Children in Montreal; to review and write on the development of a comprehensive taxonomy of successful intervention strategies; and to develop programs for training of multi-disciplinary intervention personnel to work with children and youth. June 9, 1977 — March 10, 1978

Irwin Richman, professor of American studies and history at Capitol Campus, to complete book-length study of architecture in Pennsylvania Winter and spring terms, 1978.

John H. Riew, professor of economics, to work on study dealing with the public sector role in development of the rural sector and of its linkage with the industrialization process of a rapidly expanding economy. Summer and fall terms, 1977; winter term, 1978

Thomas Rogers, professor of English, to complete novel, *Jerry Engels.* Sept. 1, 1977 — May 31, 1978.

Stanley Rosen, professor of philosophy, to complete an original manuscript to be published by Yale University Press with implications in many directions of human expenence. Fall term, 1977; winter and spring terms, 1978.

John T. Schmidman, associate professor of labor studies, to analyze every theory of the labor movement developed to date. June 1 — Nov. 30 1977.

Robert Scholten, professor of petroleum geology, to conduct geological field research in southern Spain. Part of the leave will be spent at the University of Amsterdam and in the Betic Cordillera in Spain March 1 — Aug. 31, 1977.

Ingeborg I. M. Schuster, associate professor of chemistry at Ogontz, to gain expertise in the newer aspects of NMR spectroscopy with Dr. J. D. Roberts at California Institute of Technology. Sept. 1, 1977 — May 31, 1978

John M. Simpson, assistant professor of chemistry at Beaver, to conduct research at the University of Pittsburgh in the development of new methods to synthesize oligonucleotides. Sept. 1, 1977 — June 30, 1978.

Bruce M. Stephens, associate professor of religious studies at Delaware County, to revise doctoral dissertation on "The Doctrine of the Trinity from Jonathan Edwards to Horace Bushnell." Fall term, 1977, winter and spring terms, 1978

E-Tu Zen Sun, professor of Chinese history, to continue work on a modern history of China Fall term, 1977, winter term, 1978.

Chester D. Therrien, associate professor of biology, to undertake research at the University of California at Berkeley in the area of isolation of the substance responsible for cell compatibility and the induction of plasmodium formation in *Didymium iridis.* Dec. 1, 1977 — May 31, 1978.

Dennis W. Thomson, associate professor of meteorology, to study at two European research institutions, the Institut fur Physik Der Atmosphare at the Deutsche Forschungs und Versuchsanstalt fur Luft — und Raumfahrt E V. (DFVLR) near Munich, Germany; and The Meteorology Department at Research Establishment—Ris near Roskilde, Denmark. Sept. 1, 1977 — Aug. 31, 1978

Paul Weener, associate professor of educational psychology, to study and carry out research at McGill University on the development of attention and auditory processing skills in children. Sept. 1, 1977 — Feb. 28, 1978

Beno Weiss, associate professor of Italian, to write a book on the theatre of Italo Svevo. Sept. 1, 1977 — Feb. 28, 1978.

James O. Whittaker, professor of psychology and social science at Capitol Campus, to review literature of cross-cultural psychology in Washington, D C.; and to work with cultural anthropologists and behavioral scientists from the Far East at the East-West Center at the University of Hawaii. Sept. 1, 1977 —June 30, 1978

David T. Wilson, professor of marketing, to develop further research competence in area of organizational buyer behavior and to expand current research and theoretical work into a major study in organizational buyer behavior. Dec. 1, 1977 — May 31, 1978

Joachim F. Wohlwill, professor of man-environment relations and psychology, to do research on man-made and natural environments and the principles relating to land use and environmental design, planning and management. Winter term, 1976-1977, spring term, 1977.

Thomas M. York, associate professor of aerospace engineering, to spend six months at the CTR Division of Los Alamos Scientific Laboratory studying plasma flows in fusion devices. The remainder of the leave will be spent at Princeton University on development of a plasmadynamic laser. Fall term, 1977 — spring term, 1978.

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PENN STATE HUMM
Feb-4-7
PATTEE LIB

Penn State Intercom

Mail, information procedures

Procedures announced for Collective Bargaining Information Exchange

In a letter distributed earlier this week to faculty from Dr. James Bartoo, Interim Provost, it was announced that an Information Center on collective bargaining would be opened and that special University mail service procedures have been adopted for the period of the election campaign. The details regarding these items are presented below:

Collective Bargaining Information Center

An Information Center on collective bargaining was opened on Wednesday, Feb. 16, to facilitate access to information during the forthcoming faculty unionization election campaign. Located in Pattee Library, and in the libraries of each of the University's Campuses, the Information Center contains an extensive collection of literature on all facets of faculty unionization, both pro and con. A staff member or librarian familiar with the materials will be available to assist those who wish to use the center's materials. Limited copying services (e.g., one copy of an article or articles) are also available at the Pattee location. Other details regarding the Information Center are as follows:

Location:	Pattee Library, Room 201-A.
Hours:	9 a.m. to 5 p.m., Monday through Friday; extended hours may be possible upon specific request
Telephone:	Local State College area — 865-3531. Outside local State College area — (800) 252-3814. Providing direct dial toll-free service from anywhere in the state.
Other Centers:	Located in the main libraries at each Campus. Available during normal library operating hours. Contact with the main information center at Pattee Library may be made by using the toll-free telephone service indicated above.

Temporary University Mail Services procedures during the faculty union representation election

General University policy provides for the use of the University Mail Services only in the conduct of University programs and activities. In light of the long-range implications of faculty unionization for Penn State, special procedures have been established for the period of the election campaign to promote the open exchange of information. The procedures are available to faculty for the purpose of the campaign and are applicable only during this faculty union representation election campaign.

Several provisions for utilizing the University Mail Services during this period are available:

1. **Normal University Mail Services procedures may be employed.** Materials which are addressed to individual faculty members and deposited at any University mail room will be distributed directly to the specified addresses.
2. **Campaign literature may be delivered in bulk to individual departments or mailed in bulk to campuses for further distribution.** Such mailings need not be individually addressed and should be accompanied with a request for copies to be distributed to all faculty members. Department or campus secretaries will be asked to distribute such materials, although the University cannot guarantee that under this procedure all eligible voters will receive the materials. Groups utilizing this procedure should note that some departments are located in several different buildings, and procedures for distribution of materials vary from department to department.
3. **Pre-addressed envelopes to all eligible voters may be purchased from the University.** Faculty groups wishing to purchase pre-addressed #10 business envelopes for distribution of materials related to the election may procure them at Room 108 Business Services Bldg. The charge for preparing addressed envelopes to all faculty eligible to vote will be $75, payable at the time of purchase. This charge covers the cost of printing labels and

(Continued on page 4)

Election sites agreed on; use of mail ballots approved

Faculty members may vote at polling sites at each of the University's 22 campuses throughout the State during the faculty union representation election on Wednesday and Thursday, March 30 and 31.

The election sites were agreed to at a Feb. 4 pre-election conference with representatives of the Pennsylvania Labor Relations Board. Because of the large number of faculty members voting at University Park, there will be three polling sites: Room 101 Kern Graduate Bldg., Schwab Auditorium lobby and University Auditorium lobby.

The PLRB representatives indicated that the dates for the upcoming election could be announced. The official Decision and Order for an Election, containing a ruling in regard to the College of Medicine, has not as yet been released by the PLRB. The Decision and Order is expected to be issued by or before March 1.

The election will be held for two days at all locations except the Allentown Campus and the King of Prussia Graduate Center, where the election will be conducted only on March 30. University Park faculty members will vote at polling sites based upon their office location. Polling sites for all other eligible faculty members will be based upon campus assignment.

Mail ballots

The PLRB has notified the University that it has approved use of mail ballots for faculty members on sabbatical and graduate study leave and leave without pay, faculty on assignment at the University's Elders Ridge facility and at various county extension offices or field research laboratories, and continuing education faculty not located at one of the University Campus continuing education offices.

In addition, the University was also asked by the PLRB to develop lists of faculty members who may be unavoidably absent "on official University business" for both days of the election.

The PLRB informs the University that faculty members in the following categories should be considered: 1) academic assignment away from the campus, including out-of-state or foreign assignment; 2) official participation at conferences and meetings of professional organizations (mere attendance at meetings as observers only will not be approved by the PLRB for mail ballots); and 3) other absences from campus on University-related business which cannot be rescheduled (these must be specified).

The University was asked to supply these lists of names to the PLRB, PSUPA, and AAUP by Wednesday, Feb. 16. Following a second pre-election conference with representatives of the PLRB on Friday, Feb. 18, determination of eligibility for mail ballots for these individuals will be made by the PLRB.

Although the use of mail ballots is rarely approved by the PLRB in elections

(Continued on page 4)





Getting ready for Feb. 23 doubleheader are forward Hallie Bunk, co-captain of the Lady Lions who play Lock Haven, and guard Jeff Miller, who will go against Duquesne.

News in Brief

Credit Union to meet

Penn State's Federal Credit Union will hold its annual meeting tonight (Thursday) at 7:30 p.m. in Room 101 Kern Graduate Bldg.

For the fifth consecutive year, the credit union has earned a National Credit Union Administration Thrift Honor Award for its success in stimulating savings among small savers. The credit union attained a monthly growth rate of 1.8 percent in accounts under $20,000, well above the rate of growth for federal credit unions of similar size. As of Oct. 31, 1976, the credit union had 3,331 members with total savings of $2,565,507.

Call for library space

Members of the faculty who wish to obtain "Study Space Assignments" in Pattee Library for the spring term should note that the assignments will be made on a first-come, first served basis Monday, March 7, beginning at 7:45 a.m. in Room 106 Central Pattee. There are only 42 such spaces. Further questions should be directed to Cordeha Swinton, 865-5420.

New Fleet — M&O bus stop

The Campus Loops Bus System is now offering a "service-on-request" stop at the

(Continued on page 3)

PENN STATE COLLECTION

Two faculty members comment on remedial education

At its Feb. 1 meeting, the Senate began discussion of the Report on remedial (or "basic skills") instruction. Two suggestions made in that discussion raise fundamental issues to which I would like to respond.

1. The suggestion was made that participation in a remedial program be made voluntary, not mandatory; it would be up to advisors to persuade students whose basic skills are inadequate that they should take the courses. The Undergraduate Student Government has apparently endorsed this position. However, it involves a very unrealistic image of the functioning of academic advisors. Most of them are specialists in their own disciplines; every professional pressure reinforces that situation. Few of them are familiar with the content of courses in other disciplines, particularly basic courses. Advisors therefore tend to spend their advising time in guiding students through the courses they know best — those in their own areas — and in checking that the official requirements are being met. In many cases (let's be honest) advising amounts to no more than approving a schedule that the student has already listed on a No. 2 card. It is wholly unrealistic to picture advisors as having large amounts of time to spend in persuading students to take elementary courses in what would be, in the vast majority of instances, academic fields other than their own.

Even if we make the most idealistic assumptions and suppose that an advisor has a half hour or an hour to spend in genuine discussion with each student, and that the advisor has the information to permit him or her to argue forcefully for the student's taking English 11 or developmental math, most of the time it will not work. The advisor would be asking the student to take a course that would be beneficial in a long-range and indirect sense — not a course that would fulfill an immediate requirement — and a course that would involve a good deal of hard work. Let me speak from experience. I have repeatedly suggested to my advisees that they take the harder, more traditional math and science courses; the response is very often a frank "No, I want to satisfy the requirement in the easiest possible way." It is very much like telling your children to eat vegetables "because they're good for you" — friendly persuasion has to be backed up with "no dessert if you don't."

If we believe in the necessity of literacy in language and in computation, we must *require* literacy in language and in computation. It's as simple as that. The University has already endorsed this principle in many other instances; for example, we require students to take 4 credits of health and physical education, 24 credits outside their own College, etc.; we mandate 40 BDR credits for all students. The same realistic understanding of human nature that led to these requirements should lead us to see that literacy too must be a required, not an optional, component of baccalaureate education.

2. The suggestion was also made that we continue to consider the alternative of "doing nothing." This too is utterly unrealistic: it is like proposing to do nothing because the tidal wave has not yet inundated your house, or because the plague of locusts is only in your neighbor's wheatfield, not in yours. The decline in literacy is gradually affecting every level of education. To "do nothing" means to let it affect course after course, discipline after discipline. I can speak from experience here too (as, I am sure, most faculty members could). In the dozen years in which I have been teaching literature and writing, I have seen a clearly perceptible downward trend in the academic standards and content of my courses, many of which are multi-section courses. It has come to the point where in a course labeled "*Advanced* Technical Writing and Editing" we must still push commas around and discuss how to write a well-organized paragraph in which evidence leads logically towards a conclusion. To "do nothing" is to acquiesce in the continued debasement of academic standards.

The University has already rejected the "do nothing" position in two ways. 1) We have a number of clearly-labeled basic skills courses already. 2) Many faculty members have accepted the responsibility of teaching basic skills in courses not so labeled. Our options are to continue this *ad hoc* approach or to identify a separate and complete program of basic skills courses. The second approach is by far the better, for several reasons. First, a separate basic skills program could be run as a coherent experimental program; it could be designed to facilitate evaluation of the results — which a hodge-podge of individual efforts cannot. Second, a separate program bearing an identifiable budget cost could be used as an argument for external funding, on the one hand, and for the high schools to do the job better themselves, on the other ("Penn State is having to spend $_____ to do the high schools' job"). Finally, if a separate basic skills program exists, every other course in the University can, in fairness and in justice, maintain true college-level standards. The pressure to bootleg basic instruction into advanced courses "because if I don't teach commas now, they'll never get them" should disappear. The genuine need of approximately a third to a half of our students for basic skills instruction would be met, and the need of *all* of our students for a college education that is really of college level could be met too.

Caroline D. Eckhardt
Associate Professor of English
and Comparative Literature
Senator, College of the Liberal Arts

Whither (Wither) Remedial?

One might argue about the report of the Commission on Remedial Education that a semantic dimension is one the University community, now in the midst of deliberations, presently needs least to consider. And yet I believe that when language imposes judgments without studied intent we must look carefully at words used even in all innocence to name condition and event.

Remedial is an unfortunate term for the students the Commission addresses. A remedy (the noun from which the adjective grows) intends to correct, to fix something. What's broken? In writing, a discipline I know, I wonder what *remedial* programs intend correcting. College freshmen I speak with confirm with shocking regularity not so much that they cannot write but that they have not written. Of course the first follows the second — they cannot write because they haven't written — as blame follows error, but the point is that trying to fix what has not been used (*read*: has not been taught) is a rather peculiar way of approaching a problem. I despise with others the medical imagery that has branded the men and women we speak of as Blue Cross charges more than students, but I shall exploit such images here nonetheless. Professing to repair what has simply not been exercised is like treating a human arm unused for years by prescribing a plaster cast.

The argument, too, that students in the *past* came without skills problems is another usual boost for the remedial label. Too much has happened, however, to the concept of higher education in the last ten or fifteen years for us to chase after that lost idea even if we wanted to. There are more students knocking at our doors. The goal of mass higher education for the times seems to me now no longer an option but a responsibility.

Others, too, have seen the unnecessary pejorative in *remedial*; Dean Mina Shaghnessy of the Instructional Resource Center of the City University of New York (an institution, incidentally, which in 1971 began addressing the underprepared freshman population we are looking at now) summarizes the issue for us in a good bibliographic essay on basic writing:

> *'Remedial' writing is out of favor for good reasons: it seems inaccurate to speak of beginners, whether on the tennis court or in a writing class, as remedial and the students we are concerned with have generally had but token instruction in writing. . . the medical metaphor suggests a disease, and indeed students assigned to 'remedial' classes do get sent to writing 'labs' or clinics where their problems are 'diagnosed', but worse, it is a soiled word with unhappy associations that go back to grade school, where many college remedial students began the losing game of catching up.*

Another implication of the corrective nature of a program of the "Bonehead English" mentality involves required suffering instead of reward. Since *remedial* means by the way we use it "You should have learned this before," we will some of us urge no credit for the hard work a freshman puts in trying to master the writing process for the first time. English 11 is a feverish course as is any writing course and worse than the chiblains merely in the agony of creation. Never having suffered the ailment — the *process* of writing is quite suited to medical language, I believe — the novice writer sweats and groans and suffers to advance. But it's not suffering because he's disobeyed the doctor's orders for a decade. It's that no one planned a healthy program before. Writers learning to write are working. They deserve credit. We might propose for basic courses that we ought not to pay teachers who teach them if we need a clear lesson that nobody likes to work for nothing. (It's interesting that though students want — and deserve — credit for work they do, many at other institutions exercise options to relinquish credits for basic skills courses later on, to allow for more electives. That is a situation we might encourage here.)

Yet another unfortunate effect of the word "remedial" is the jaundiced portrait of the student who fits our category. He is the "poor" student, the "weak" student, the "bad" or the "dull" or the "less qualified" as opposed to the rest of the population here, which is composed of "good" (or "better") students, "strong" students, "bright" or "regular," or "normal" students. We all, of course, can see differences among human beings, can recognize strengths and disabilities and can see how indeed they vary from person to person, can admit that certain adults will not make it in college because of some limitation, be it intellectual, emotional or physical. But to attach to a group qualities that the label for the group consistently asserts is a kind of stereotyping we cannot allow.

Talk to English 11 students. You should find what I have found here and at other colleges. There's a wellspring of talent yet untapped there. There's life, perception, broadly based experience, purpose, ability — certainly to no lesser degree than we see in many of our (you'll forgive me) "normal" students. Surely there is, too, insecurity, fear, anger, frustration — but men and women with low entry scores have no monopoly on unpleasant feelings. What is true about the English 11 student is that he is an inexperienced writer. That we cannot challenge. But I maintain that he cannot write because he has not practiced, has not been taught, not that he has committed some transgression or has been weakened by some debilitating illness or some genetic defect.

So our question as we consider the Commission's report is whether or not as a public institution of higher learning in a democracy we're going to turn away someone who comes to us needing and wanting to learn something he has not yet learned, for whatever reason.

If we talk about basic skills instead of bed pans and transfusions we'll see much more clearly our mission. Men and women need to write, to read, to add, to subtract for today's world. Since no one has yet shown that people can and must learn at some exact point in time, a point conceived by an arbitrary system that equates grade level and age with achievement, I say when people want to learn is time enough to try to teach.

Harvey S. Wiener
Associate Professor of English and
Director of the Writing Center

Calendar data due

INTERCOM's spring term calendar will appear in the March 10 issue. Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, 865-2501, by Feb. 23.

Department of Public Information and Relations
Room 312 Old Main
University Park, Pa. 16802
Telephone: (814) 865-7517

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Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Faculty Notes

"Stay Tuned for Something Special" flashed on the screen as Accounting 101 students sat in various classrooms watching **Dr. G. Kenneth Nelson's** televised lecture emanating from Studio A in Mitchell Bldg

The next thing the surprised students witnessed was their professor being taken aback by on-the-air visits from everyone from his mother-in-law to his dean.

The occasion of the TV special was Dr. Nelson's 20th anniversary as an accounting teacher on television. It was on Feb. 4, 1957, that he first took to the airways to talk about assets, debits, and budgeting

Fellow professors were speculating that Prof. Nelson may have taught more classroom students than anyone — ever. It's estimated that he has taught more than 20,000 students by television alone.

To be sure, Dr. Nelson was moved by accolades from Dean Eugene J. Kelley, Dr. William L. Ferrara, and other members of the accounting faculty who praised him in front of his unseen students. And visits from his wife, **Bert**, daughter, Julie, and son, Fred, as well as Bert's mother, added a special touch.

But the ultimate tribute came when Dr. Nelson spotted a flashing light on the board next to his desk on the set, a signal that a student had a question When he flicked the switch, everyone in the studio was reminded how Dr. Nelson's students felt — the "question" was a prolonged cheer from a grateful student audience. Nelson's Neilsons are secure.

Joseph Costa, head librarian at the Schuylkill Campus, has been named by Gov. Shapp to the Governor's Library Council on Library Development for the State of Pennsylvania.

Dr. Mark Peattie, associate professor of history, is the author of the recently published article, "Akiyama Saneyuki and the Emergence of Modern Japanese Naval Doctrine." The article appeared in the January issue of United States Naval Institute Proceedings.

Dr. John A. Brighton, professor of mechanical engineering, was recently appointed technical editor of the new Journal of Biomechanical Engineering. He will chair a 15-member board of associate editors and will have responsibility for the review and publication of technical papers in the areas of artificial organs and prostheses, biocontrols and instrumentation, design, biofluid mechanics, biosolid mechanics, bioheat and mass transfer, biomaterials and health care delivery systems. The Journal, a quarterly, is sponsored by the American Society of Mechanical Engineers and its first issue is scheduled to appear this month.

Dr. T. Emanuel Feuchtwang, professor of physics, recently presented a paper at the 17th annual Sanibel Symposium on atomic, molecular and solid state theory sponsored by the Florida winter institute of the quantum theory project, University of Florida, Gainesville. His paper dealt with the theory of inelastic electron tunneling spectroscopy.

Robert H. McCormick, professor of chemical engineering and technical specialist with the Pennsylvania Technical Assistance Program, has been named a fellow of the American Institute of Chemical Engineers in recognition of his contributions to the academic world and his research, particularly in the field of petroleum refining.

Dr. Simon Belasco, professor of Romance linguistics and head of the Linguistics Program, is co-author of the book, *Son et Sens*, published in a revised edition by Scott Foresman. His co-author is Dr. A. Valdman, of Indiana University.

A high yield synthesis of several known, pharmaceutically active compounds, including some promising painkillers, has been invented at the University by **Dr. Roy A. Olofson** and **Dr. Joseph A. Pepe.**

The compounds are called "N-substituted-3, 14-dihydroxymorphinans" by Dr. Olofson, professor of chemistry, and Dr. Pepe, a former graduate student now at Eastman Kodak. The two received invention incentive awards for their discovery.

To the medical profession, these compounds are known as naloxone, naltrexone, nalbuphine, butorphanol, and oxilorphan. Doctors at Georgetown have found that in postoperative patients, nalbuphine is as potent an analgesic as morphine, and the risk of drug dependency appears very low.

The Olofson-Pepe process yield of nalbuphine is four times greater than that claimed by earlier methods Since the key starting material costs $25 an ounce, the Olofson-Pepe invention should greatly reduce the cost of an otherwise very expensive drug

Dr. Olofson and Dr. Pepe received invention incentive checks under a University policy of giving $200 to inventors for inventions accepted for patenting.

Two new appointments have been announced at Hershey. **Cynthia C. Cohen** has been named an assistant professor of anatomic pathology. She is a graduate of the University of Witwatersrand, Johannesburg, Republic of South Africa, and the University of London, Hammersmith Hospital, where she received a D.C.P. degree and became a Member of the Royal College of Pathologists She has taught and been Senior Pathologist at the School of Pathology of the South African Institute for Medical Research. **Gerald Shulman** is a new assistant professor of pathology. A graduate of the University of Witwatersrand, he became a Member of the Royal College of Pathologists and a Consultant Clinical Pathologist in 1970 after study at the Royal College of Pathologists, London, where he specialized in clinical chemistry and haematology. He was a Senior Lecturer in clinical pathology and Principal Consultant in clinical chemistry at the South African Institute for Medical Research.

News in Brief

(Continued from page 1)

Fleet Operations — M&O complex on Park Road. Persons wishing to take advantage of this new service can do so by boarding any Outer Loop Bus and requesting the driver to stop at the Fleet-M&O stop. Requests to be picked up at this stop can be made through Fleet Operations' personnel or at the M&O service desk The service is available Monday through Fnday from 7:30 a.m. to 6 p.m. The cost is the standard 10-cent exact fare, and Campus Loops Term Passes or Floating Departmental Passes will be accepted. The new stop should be especially helpful to faculty and staff members who need to pick up or leave off University cars. If any problems anse, call Vicki Holderman at 865-7571.

Early registration

An experimental early registration for spring term 1977 will be held Feb. 21-25 during winter term final exams week from 8:30 a.m. until 4:30 p.m.

The requirement that students return prior to the first day of class will be eliminated for those who take advantage of this early registration. Only undergraduate students who have a standing of tenth term and above, who have preregistered for eight or more credits, and who are willing to accept the schedule printed on their Advance Class Assignment Schedules (Pink Slips) are eligible.

Faculty are not expected to be available for advising, nor will there be any course cards available for schedule changes at the early registration.

Students have been informed of the instructions which must be followed for early registration. Those who wish to make schedule changes after registering early will be permitted to return to the March 8 and 9 registration.

Questions concerning the early registration should be directed to Gary Hile, 865-6357.

Hymn writing contest

The Office of Religious Affairs is again sponsoring a "Religion and Art Week," this year from March 20-27. One feature will be a Hymn Writing Contest with two divisions: an Undergraduate Student Division, with two cash prizes ($15 first prize, $10 second prize) and a Faculty/Staff/Graduate Student Division with two cash prizes ($35 first prize, $15 second prize). Hymns accompanied by original melodies will be given preference, but hymns to be sung to traditional hymn tunes are welcomed.

Deadline for entries is noon, Monday, March 21. Entries are to be submitted to The Rev. Mr. Charles Coleman, Program Director, the Office of Religious Affairs, Eisenhower Chapel.

New Islamic art course

A new course in Islamic Art, Art History 330, will be offered spring term. The instructor, Walton J. Lord, associate professor of art history, has personally visited and photographed the major architectural sites in Islamic Asia, North Africa and Moorish Spain, as well as the legendary cities of Samarkand, Bukhara and Khiva in Central Asia. In addition to architecture and painting, sculptural decoration, rug weaving, glass, metal, ivories and ceramics will be examined The course will be offered Monday, Wednesday, Friday during sixth period.

Religion and literature conference

Members of the University community interested in the relation between religion and literature are invited to register for a conference, "Christianity and Literature: Comparative Approaches," which will be held on campus April 1 and 2. Sponsored by the Institute for the Arts and Humanistic Studies, the College of the Liberal Arts, and the Conference on Christianity and Literature, the meeting will feature a series of workshops on comparative approaches to the teaching of religion and literature and a series of sections on major world authors who lend themselves to criticism from a theological perspective. Topics for the workshops range from comparative approaches to teaching the Bible as literature to the uses of music and the visual arts in the study of religion and literature to the religious importance of narrative form.

Featured speaker for the conference will be J. Hillis Miller, chairman of the Department of English at Yale University. Although Prof Miller's April 1 lecture will be open to the public, those wishing to attend other sessions are advised to register in advance due to space limitations. The deadline for registrations is March 18. Those wishing further information may call Continuing Education, 865-7557, or Patricia Ward, program organizer, 865-6062.

Calendar

February 17-27



Thursday, Feb. 17
Penn State Federal Credit Union meeting, 7 30 p.m., Room 101 Kern. Sports: Women's swimming and diving, vs. Bucknell, 7 p.m.; women's gymnastics, vs Clarion, 7:30 p.m.

Friday, Feb. 18
International Council film, "Loves of a Blond," 8 p.m., Room 112 Kern. Last day for signing Winter Term Emergency Loans, Room 108 Shields

Saturday, Feb. 19
Winter term classes end 12:25 p.m
Sports: Men's and women's bowling, Penn State Invitational, 1 p.m.; women's basketball, vs. Millersville, 2 p.m.; women's swimming and diving, vs. Clarion, East Stroudsburg, 2 p.m.; men's and women's gymnastics, vs. Indiana State, 7:30 p.m.
Last date for graduate students to petition to graduate in absentia in March.

Sunday, Feb. 20
Chapel Service, 11 a.m., Eisenhower Chapel. Dean Donald H. Ford, College of Human Development.
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Pastor Gerald G. Loyd.
P.S.O.C. Hiking Division, exploration of Old Hairy John's Trail, 9 a.m., HUB parking lot

Monday, Feb. 21
Final examinations.
Color Slide Club meeting, 7:30 p.m., Room 112 Kern

Tuesday, Feb. 22
Final examinations.
Sports: Women's basketball, vs. Lock Haven, 4:30 p.m.

Wednesday, Feb. 23
Final examinations
Sports: Men's swimming, vs. Villanova, 2 30 p.m.; women's basketball, vs. Lock Haven, 5:45 p.m., men's basketball, vs. Duquesne, 7:30 p.m

Thursday, Feb. 24
Final examinations.
Sports: Women's swimming and diving, vs. Maryland, 4 p.m.
Microbiology & Cell Biology, 4 p.m., Room 52 Frear. Robert W. Hamilton on "Control of Morphogenesis in *Arthrobacter crystallopoietes*."

Saturday, Feb. 26
Sports: Men's and women's rifle, vs. Kutztown, 2 p.m., wrestling, vs. Montclair State, 7:30 p.m.

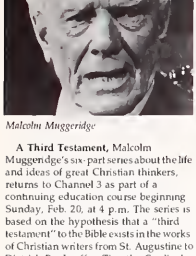
Sunday, Feb. 27
Black Christian Fellowship worship service, 11:15, Eisenhower. Rev. Charles L. Coleman.

Exhibits

Chambers Gallery: Contemporary Tapestries by Joy Rushfelt and Vicki Haskell; Ceramic Stones by Paul Nowicki, both through Feb. 19
HUB Gallery A: Drawings and paintings by Shirley Buell Bernreuter
Kern Gallery: Sculpture by Nabil El-Husseini.
Museum of Art: Recent Works by James Stephenson, Gallery A. Selections from the Permanent Collection, Gallery B. The Material Dominant (some current artists and their media), Gallery C.
Zoller Gallery: Work by Harold Altman, through Feb 18
212A Arts Bldg: Photographs by Marcia Prager, through Feb 18

WPSX Highlights

The Way It Was begins its third season of sports history with a half-hour review of the 1968 UCLA-Houston basketball game Saturday, Feb. 19, at 8:30 p.m.



Malcolm Muggeridge

A Third Testament, Malcolm Muggendge's six-part series about the life and ideas of great Christian thinkers, returns to Channel 3 as part of a continuing education course beginning Sunday, Feb. 20, at 4 p.m. The series is based on the hypothesis that a "third testament" to the Bible exists in the works of Christian writers from St. Augustine to Dietrich Bonhoeffer. Timothy Cardinal Manning, archbishop of Los Angeles, joins Mr. Muggeridge on the first program for a discussion of St. Augustine.

Dr. Jonas Salk is the host of **Microbes and Men,** a new six-part dramatic series exploring the work of 19th century medical pioneers, premiering Monday, Feb. 21, at 8 p.m. The first program focuses on Ignaz Semmelweiss of Vienna, who discovered the principle of contagious diseases.

Sergei Eisenstein's "Ivan the Terrible, Part One" will be seen on **PBS Movie Theatre** Tuesday, Feb. 22, at 9:30 p.m. The film features an original musical score by Prokofiev. "Ivan the Terrible, Part Two" will be seen Tuesday, March 1.

On March 22, 1975, a fire broke out in a nuclear reactor at Brown's Ferry, Alabama. Although no radiation escaped, it was the worst reactor accident that has thus far occurred in the United States. The circumstances surrounding the fire and the larger question of reactor safety are examined on **Nova** Wednesday, Feb. 23, at 8 p.m.

"Edward II," Christopher Marlowe's compassionate drama about the turbulent reign of a young homosexual king, is performed on **Classic Theatre : The Humanities in Drama** Thursday, Feb. 24, at 9 p.m. Ian McKellen stars as the 14th century king.

More on deferred-tax savings plans

The Faculty Affairs Committee of the University Senate proposed legislation that resulted in the formation of a joint Senate-Administration Committee which recommended several deferred tax savings plans for full-time faculty and staff. The article below was prepared by the joint committee.

As tax-time approaches, faculty and staff members may wish to review deferred-tax savings plans via payroll deductions by the University, which are now being offered to full-time faculty and staff from a choice of three companies. These plans offer a significant advantage to those with a medium to long term savings goal, e.g., saving towards educational expenses for children, house down payment, emergency fund, or retirement nest egg

There has been a fair amount of confusion on the nature of these plans, probably because they are offered by insurance companies and are described as annuity plans. They are basically savings plans, as noted above. They are not insurance or annuity plans per se, although any money saved could be used for these purposes, and the rationale for the enabling federal legislation presumed that they would be used mainly for retirement purposes.

In a sense these plans could be called tax-free savings plans. As long as the money in a plan is saved, it is tax free, or "sheltered." Only when money is withdrawn is it taxed to its owner. However, the compounding of interest tax free adds up to a considerable sum over the years

The exact advantage is complex to determine and unique to each taxpayer. However, a simplified example should illustrate the general workings of the plans. Assume that a tax payer is in the 25 percent tax bracket and wishes to save $1,000 of his gross earnings. Also assume an ordinary savings account would yield 6 percent and the special plan would yield 8 percent (both are typical recent possibilities). Further assume the money is held for 10 years.

With ordinary savings, taxes are paid each year on the interest. For our assumptions, a pretax 6 percent is 4½ percent after the 25 percent tax. Our taxpayer's original $1,000 is also taxed at 25 percent, so only $750 is available for investment. The $750 compounded at 4.5 percent for 10 years yields $1,165.

With the sheltered plan, no tax is paid on the $1,000 or on the annual interest as long as the money is saved. Thus the full $1,000 (less a company service charge of around 5 percent) compounds at the full 8 percent rate, which amounts to $2,051. Of course taxes must be paid on this figure, if the taxpayer is still in the 25 percent bracket, the tax will be 25 percent x $2,051 or $513, leaving $1,538. The taxpayer is thus ahead with a $538 net gain versus $165 net gain, or 226 percent more gain.

Of course the taxpayer might be in a higher tax bracket when the money is withdrawn. Assuming a 10 percent higher bracket, the tax would be 35 percent x $2,051 or $718, leaving $1,333. Note that the gain is still more than double the ordinary savings. Of course the taxpayer could be in a lower tax bracket, as when one of a working couple quits work or the taxpayer retires or more dependents are in a family. The money can be partially withdrawn as needed, except for minor restrictions (e.g., for one company, withdrawals are limited to twice a year).

For each company, two basic plans are available — loosely, conservative or guaranteed, and liberal, or not guaranteed. Under the guaranteed (technically, "fixed annuity") plan, a rate of approximately 3 percent is guaranteed by the offering company. However, dividends are paid in addition to the guarantee, and recent total rates have been from 7 to 8 percent

For the nonguaranteed plans (technically, "variable annuity"), funds are invested in common stocks, and anything goes. Rates for last year were as high as 32 percent, but losses for the same company for the previous year were a negative 31 percent. For the last five years rates for all three companies were positive. Savings may be split between the variable and fixed plans, at the saver's choice.

The three companies available to University employees are Equitable, TIAA-CREF, and VALIC. Departments may arrange for group presentations by representatives of these companies through the Employee Benefits Office. Alternatively, individuals may contact Glenn Hawthorne at (814) 234-1921 for Equitable; Eugene Trorano or Irwin S. Milstein at (814)234-3686 for VALIC; and Employee Benefits, Room 133 Willard Bldg. for University Park employees for TIAA-CREF.

It should be noted that the plans are not suitable for short-term savings as the service fee may offset the interest for the first year or two.

Also, the three companies differ as to initial service charge, maintenance charges, minimum guaranteed rate, withdrawal restrictions, and prior earnings history. A comparison sheet illustrating major differences is available from the Employee Benefits Office. The University requires a minimum monthly deduction of $40 for participants. The plans are not available to the general public.

Funding Sources

For further information, call 865-1372

(258-1) The U.S. Dept. of Transportation has requested public comment by March 25 on "A Policy Statement on the Use of Design, Art and Architecture in Transportation Systems" issued by Secretary Coleman. (Ref. 42FR4568, 1/25/77)

(285-2) The National Science Foundation has announced a March 31 deadline for "Specialized Research Equipment in Engineering" proposals (Ref NSF Bulletin, Feb. 1977)

(258-3) Selected NSF Deadlines (Feb. NSF Bulletin)
March 2 — Earth Sciences Proposals in Geochemistry, Geology, and Geophysics (+ July 1, Nov. 1)
— Anthropology Proposals
— Regulatory Biology Proposals
March 4 — Ecological Sciences Proposals
— Population Biology and Physiological Ecology Proposals
— Systematic Biology Proposals

(258-4) NSF has made available in the Washington, D.C., Office of Science and Technology material from seven public hearings held on behalf of the Science for Citizens (SFC) program. For an appointment to review this program material, call 202-282-7770. (Ref NSF Bulletin Feb.)

(259-1) The National Science Foundation has published a proposed new Grant Policy Manual (NSF Manual No. 15) to replace NSF 75-23. The new manual distinguishes between projects with minimal federal involvement ("grants") and those with substantial involvement ("other agreements"). Comments are requested by March 15. (Ref 42FR5807-39, 1/31/77)

(259-2) Grants for Research in Health Manpower are supported by the HEW National Center for Health Services Research and emphasize aspects of nonphysician manpower. Proposal deadlines are July 1 and Nov. 1. (Ref NCHSR solicitation) NCHSR has changed the deadline NSRP to its dissertation research support program (253-17) from Feb. 1 to March 1.

(259-3) The NSF Division of Scientific Information supports research, development, demonstrations, and policy analyses to improve access to and scientific and technical information. Current focus is on information science, user requirements, access improvement, and management studies and coordination. Proposals may be submitted any time. (Ref NSF 76-50, Jan. 1977)

(259-4) Annual deadlines for proposal submission to the Pennsylvania Council on the Arts have been changed as follows: May 1 (major deadline) and Dec. 1 — for spring and summer arts festivals and special summer projects (Ref. PCA Important Notice)

(259-5) A list of remaining openings for Fulbright-Hays Opportunities Abroad 1977-78 have been published by CIES. Opportunities for 1978-79 will be published in March with June 1 and July 1 application deadlines (Ref CIEs)

Fellowships
For further information inquire at 317 Kern, 865-2514

(259-6) National Chicano Council on H.E. — post doc — March 15.

(259-7) National Tax Association — doc. dissertation — June 1

(259-8) U.S. Steel Loan Funds — grad students EMS & Eng

(259-9) Center for Field Research — post doc field projects

Mail ballots

(Continued from page 1)

conducted by the Board, the University stressed to the Board the point that faculty members who will be unavoidably away from campus on the dates of the election should not be disenfranchised by the Board. University officials were pleased to see this position upheld by the Board.

All faculty members voting by mail ballot will receive ballots from the PLRB shortly after the Board releases its Decision and Order for an Election.

Election choices

Faculty members will have three choices on the PLRB ballot: the Pennsylvania State University Professional Association, the American Association of University Professors, and "No Representative." A Penn State Independent Faculty group has organized to advocate a "No Representative" vote.

If none of the options receives a majority of the votes cast on the first ballot, a run-off election between the two options receiving the most votes will be conducted by the PLRB on Wednesday and Thursday, April 20 and 21. The results of the election are determined on the basis of faculty members actually voting, and not on the number of eligible voters.

Procedures

(Continued from page 1)

applying them to the envelopes, plus the cost of the envelopes. Although the University will make an effort to accommodate all requests, it may be necessary to limit the number of sets of pre-addressed envelopes any one faculty group may purchase if Addressing Services is unable to handle all requests along with normal addressing requirements. In order to expedite distribution under this procedure, envelopes should be bundled by building or campus location before being deposited with University Mail Services. Envelopes will be provided to the purchaser already organized by location.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387) Applications for these staff vacancies will be accepted until 5 p.m. **Feb. 24, 1977. DO NDT CONTACT THE AREA THAT HAS THE VACANCY.**

PERSONNEL ASSISTANT — Hershey Responsible to the Personnel and Training Officer of the College of Medicine for selection and placement of employees, especially as applies to Technical Service, Clerical and Staff Nonexempt Bachelor's degree, or equivalent, preferably in business administration or personnel administration, plus one to two years' related experience.

HEALTH CENTER SOCIAL WORKER — Millersburg Responsible to the Medical Director of the Evelyn G. Frederick Health Center for providing medical social services and practical help and emotional support to patients and their families. Master of Social Work degree from an accredited college or university and/or equivalency one-two years' directly related experience

WRITER, VICE-PRESIDENT FOR RESEARCH AND GRADUATE STUDIES — University Park Responsible to the Science Editor for interviewing faculty and staff as to their research activities and translating the interview data plus technical reports and theses into publications that the general public can understand. Bachelor's degree preferably in journalism or English or equivalent, plus one to two years of directly related experience in science writing or related field. Some magazine experience is desirable. Applicant will be judged on portfolio of samples and prior work experience

ASSISTANT DIRECTOR (LEADERSHIP AND GROUP DEVELOPMENT), STUDENT AFFAIRS, RESIDENTIAL LIFE — University Park Responsible to the Director of Residential Life Programs for the development and implementation of programs as they relate to leadership and group development. Specific responsibilities include advising 2 large fraternity and sorority system, implementing leadership development programs for student groups including training program for residence hall staff. A master's degree in student personnel services or equivalent, plus two to four years of directly related experience, preferably with Greek organizations and with residence halls

February 24, 1977 Volume 6, Number 5

Penn State Intercom

News in Brief

Faculty list compiled

The names of 62 faculty members who would be unavoidably away from a University Campus "on official University business" were added last Friday to the list of eligible faculty members voting by mail ballot. This decision was made at a second pre-election conference held by the Pennsylvania Labor Relations Board Friday afternoon, Feb. 18.

At the PLRB's direction, these lists of names were compiled following a pnor conference held on Feb. 4. At the earlier meeting, the University had argued that faculty members who would be away from campus on the days of the election should not be disenfranchised, and the Board was requested to make a special exception to standard PLRB practice in regard to mail ballots.

The University was subsequently directed to develop these lists based on known faculty assignments and activities, and provide the lists to PSUPA and AAUP prior to the conference on Feb. 18. No additional names were submitted to the PLRB representative by either union group.

Ballots for the approximately 200 faculty members who will be voting by mail will be sent out by the PLRB at the time the Decision and Order for an Election is issued by the Board. To be counted, mail ballots must be received by the PLRB no later than 5 p.m. on March 31.

Full details regarding election sites, times, and eligible voters will appear in the next issue of INTERCOM during the first week of spring term.

Bargaining Information Center now open

A Collective Bargaining Information Center is now open in Pattee Library at University Park.

The Center, located in Room 201-A in the Map Reference Room, is under the

(Continued on page 4)

Penn State still 'first-generation' land-grant school

Penn State is still a "first generation" land-grant university for most of its students, according to a profile of freshmen students and their families. It shows that more than half of all first-year students here have parents who never attended college.

The survey was recently completed by the Cooperative Institutional Research Program, a joint effort of the American Council on Education and the University of California at Los Angeles. Survey responses were obtained from 8,892 first year students at Penn State campuses around the State, or 86 percent of the freshman class of 10,321.

A total of 49.5 percent of the Penn State men and women said their fathers never attended college and 64 percent said their mothers never attended college. The Penn State findings are 17 to 19 percent higher than national university norms as computed at 51 universities around the country. Nationally, 32.9 percent of all freshmen at universities said their fathers never went beyond high school while 45 percent said their mothers never attended college. Nationally, as well as at Penn State, a greater percentage of men students than women students had parents who stopped their education with high school.

Statistics on parents of men and women students at Penn State show that 3.7 percent of all fathers and 2 percent of all mothers have only a grammar school education; 12.3 percent of fathers and 10 percent of mothers have some high school, and 33.5 percent of fathers and 51.9 percent of mothers have only a high school degree.

Of all Penn State freshmen, 37 percent have fathers and 31 percent have mothers who have attended or graduated from college. Another 10.4 percent of fathers

(Continued on page 4)

Senate sets forensic session on effect of bargaining

The University Faculty Senate will consider "The Effect of Collective Bargaining on Faculty Senates" in a forensic session on Tuesday, March 1.

The special session will begin at 1 p.m. in Room 112 Kern Graduate Bldg. and will end at 2:30 p.m., at which time the regular Senate agenda will be considered.

The forensic session will be set up as follows:

1. Recap of current status of faculty participation in University governance, six to eight minutes, Helen I. Snyder.
2. Review of literature on effect of collective bargaining on faculty senates, 10 to 15 minutes, Kenneth P. Mortimer.
3. Answer to the following question by invited PSUPA and AAUP representatives, six to eight minutes each: "If your group was chosen as the bargaining agent in the upcoming election, exactly what changes would you propose to bring about in University governance and what are the implications for the University Faculty Senate?"
4. Open discussion by senators, three-minute limit on any comment.

In its regular session, the Senate will continue discussion of recommendations of the Joint Presidential-Senate Commission to Study Remedial Education. The Commission's legislative report was introduced at the Feb. 1 meeting, but action was postponed to allow for additional discussion at the March session.

The Continuing Education Committee will present a legislative report on the Continuing Education Unit (CEU), a measure developed for reporting non-credit instruction.

One Continuing Education Unit is defined as ten contact hours of participation in an organized continuing education experience, under responsible sponsorship, capable direction, and qualified instruction. According to the committee, CEUs are intended to measure only non-credit instruction and are not to be computed or awarded for any program carrying academic credit.

The committee recommends that:

"The University Faculty Senate endorse the adoption of the Continuing Education Unit as a uniform measure of non-credit instruction. Whether CEUs should be awarded, and how many, for specific non-credit courses is the responsibility of the academic colleges which offer the course. The vice-president for continuing education is responsible for working with the Records Office and the colleges to achieve implementation at a pace which is appropriate in terms of needs and financial resources."

The University Task Force on Retention and Transfer of Students in Baccalaureate Program Majors also will present its legislative report.

The Task Force, headed by Eugene R. Melander, was appointed in November 1975 to study the patterns of flow of baccalaureate students through academic programs and the impact of current transfer and retention policies and procedures on the patterns.

While concluding that the basic premises and the general framework of the current system of admission, retention, and transfer of students are sound and should be retained, the Task Force proposes some modifications be made.

A number of recommendations regarding admissions policies and change-of-major policies are made to the Senate and the University Provost.

The Senate will consider a legislative report from the Committee on Admissions, Records, and Scheduling regarding modifications of policies governing enrollment of exceptional high school seniors in credit courses at the University.

Informational reports on cooperative education and grade distribution through Continuing Education will also be received at the meeting.

Role of liberal arts to be examined at spring meeting

A novel "self-examination" of the role of the liberal arts at Penn State, and in higher education in general, will be featured at a special Liberal Arts Spring Faculty Conference, April 3-5.

The conference will include the presentation of faculty analytical studies and research reports on issues that confront the liberal arts college. Keynote speaker will be Dr. Stephen K. Bailey, vice president of the American Council on Education.

"I don't know if this has ever been done before; I know it has never been done here," comments Dr. Stanley F. Paulson, dean of the College of the Liberal Arts. "It's an extraordinary meeting away from faculty instruction and research, but changes are so momentous that such a step is justified we think."

Dean Paulson notes that both faculty and administrators in the College are well aware of the need for thorough planning, as student interests, aptitudes and programs needs change.

"Economic factors, actions by the federal government, and changes in student aspirations combine to exert new pressures on the liberal arts college to meet changed expectations," says the Dean, adding that members of the College must determine the role of the liberal arts both for students majoring in the liberal arts disciplines, and for those students from other academic areas enrolled in "foundation courses" offered by the College. The latter group constitutes over half the students taking liberal arts courses at Penn State.

At the root of changing demands from some internal and external sources is the desire on the part of many for stronger "career education," a term that often implies that a traditional liberal arts curriculum is not so directed.

"I think career education has been over-sold," counters Dean Paulson, mentioning that job markets have been known to fluctuate drastically. "We should not give up life-long values in the face of short-term demands. If we do, we risk giving up an education designed to teach students to think, to communicate, to be socially responsive, and to understand political realities, while also maintaining a sense of the past. These roles must not be given up."



Dean Paulson

Dean Paulson wants students to be made aware of the fact that a liberal arts education will, indeed, prepare them for successful careers. He cites as an example a successful Penn State alumnus who is a bank vice-president in Philadelphia. The executive was a history major.

"Now that man surely didn't take a course of study designed for bank vice-presidents," says Dean Paulson. "But the ways he learned to analyze evidence, draw distinctions, and solve problems as a history major must have helped prepare him."

Dean Paulson thinks the two-day conference in April will figure decisively in the College's future.

"We know there are limits on what we can do," he concludes. "But we also are very aware of the need to determine our priorities for the 1980s. Recommendations stemming from this conference will certainly be taken into account when planning our future needs and programs."

Two Senators question costs of remedial education

Two Senators, Philip A. Klein and Robert A. Bernheim, taped the following comments on the report prepared by the Joint Presidential-Senate Commission to Study Remedial Education.

I've been asked to comment on my reaction to the report of the Commission to Study Remedial Education. My overall impression is that the question that the Senate is asked to comment on in connection with this report is really an example of a far larger question that the Senate, because of its constitutional obligations, must deal with.

I think it should be pointed out that a major task assigned to the Senate in its constitution, under advisory and consultative functions, is "to advise on overall educational policy and planning." Even more to the point, the Committee on Planning and Development is asked to consider "long-term priorities" for the University in its "physical and academic planning."

The problem we face is that determining these priorities requires a great deal more than just deciding what policies on what programs are good. We have been asked specifically to comment on whether remedial education is a good thing to do. My feeling is that this is the wrong question to ask. The right question to ask is whether remedial education is a better thing to do than something else which might be done with the funds that it will cost.

To get down to cases, the report by the Commission estimates that for the five-year experimental period they are proposing, the writing program will cost $1,450,000; the math program will cost $200,000. That makes a total of $1,650,000. Everybody agrees this is only a "ballpark estimate," and it might considerably be higher. I doubt that it will be lower because the Commission, to its credit, addressed itself to the question of cost and how this program would be funded. They suggested that an effort should be made to secure outside funding. I, myself, think the chances of getting outside funding are relatively improbable — as indeed I think does the Commission — and that, therefore, we all agree that we will be forced to a painful reality — the implementation of the programs will require tapping the several budgets of the Pennsylvania State University for necessary funds. The Commission suggests that this tapping should occur by letting all units in the University share in the program in terms of some "equitable proportion."

My reaction is that saying that all units should share in equitable proportion is no answer at all because somehow it suggests that the program can be funded without being a real burden to anybody. If we were to say that remedial education were such an important thing to do that we should abolish the football team, or the College of Education, or the Department of History or the recreation program, everybody would say, probably correctly, remedial education is a good thing to do, but it's not sufficiently important for us to cancel out these other things.

I suspect that remedial education is something that we have to do. But I think that the University for too long has given the impression that it can do whatever it has to do and that it can make its resources stretch to do it. That is why we go to Harrisburg year after year and take whatever they give us and then raise tuition if we have to. But we never really say forthrightly and clearly to the people of Pennsylvania, "If you want us to do the job we have to do, then we have to have the resources with which to do it." And if they ask us to stretch our inadequate funds further, we do it.

I think remedial education makes this situation clearer than many other proposals because the reason we have a remedial education problem, in my judgment, is because the public schools — for reasons which may include inadequate funding there as well — have not done a proper job. Had the secondary schools gone to Harrisburg and said, "We are not able to teach reading and writing and arithmetic adequately with the funds at our disposal," then the problem would not now be Penn State's problem.

So, what all this boils down to is that I think remedial education, because it seems to reflect a widespread problem, is something that we have to do, but I think we should do it with our eyes open and not with the view that we can somehow stretch inadequate resources and nobody will feel it.

In line with my overall position, I think the suggestion of the committee that the University should "make its position on the importance of basic skills competence very clear to the high schools and state as well as to parents, future students and others" is an extremely significant part of their report. I see no reason why we should not play this for all it is legitimately worth. We are being asked to bear the cost of remedial education because of inadequacies that have developed in the educational system in the State before students get to us. We have been told that we must do it because others have inadequate resources or have refused to do it for that reason or other reasons. Because we are "the end" of the educational process, we have no choice.

I am a little disturbed by the section in the report which suggests that students can be predicted to do well in college, except for their inability to read, write and do mathematics! I find it difficult to see how students can be predicted to do that well in college if they're that inadequate in the basic skills required to comprehend the curriculum of the University. It's rather like saying that a man can be predicted to enjoy the concert thoroughly except that he's four-fifths deaf (which I think would interfere with his ability to enjoy the concert by any sensible predicting device that I know about). I think what they're trying to say is that these students may be properly motivated, or at least sufficiently motivated, and have the necessary native intelligence to do well, but that they haven't been given the basic tools they need to succeed. So from that point of view, remedial education is a necessary prerequisite to doing acceptable college-level work.

In substance, then, we have here a matter of basic importance to the function of Penn State and to all of higher education. A problem has arisen with which we have no choice but to cope, but I think we should be given clear alternatives by the University about what has to be cut back, or what could be cut back, in order to embark on a program of remedial education.

This is a very clear example of the kind of problem which the Senate often has placed in front of it, requiring us not just to decide whether a program is a good thing to do but whether the program should be done instead of other programs. The Senate needs more budgeting information to get it to do the final analysis, priorities mean not just saying things are good but saying that some things are better to do than other things, which we decide, therefore, not to do. We must have a clear grasp not only of the gains but of the costs — the real costs, not just financial but in terms of foregone programs, foregone possibilities of doing other things. And I think if we are given alternative routes by which things can be funded, the Senate can do a far better job of advising on academic policy than it now does.

Philip A. Klein
Professor of Economics
Senator, College of The Liberal Arts

First of all, I think the commission did a fine job in putting together their report. The large amount of work that went into it is evident, and we all are indebted to them for their effort. They have documented the apparent decline in basic skills among Penn State students and have advocated a strong response in their legislative proposal. While their report builds a convincing case for their approach to remediation, it does not devote much discussion to the possible side effects such a program would have on the University, nor does it offer alternatives.

The debate in the Senate has been long, but there are still a number of points that either have not been raised or fully discussed. The Senate will probably conclude debate and vote on the legislative proposal at its next meeting on March 1. This meeting will be held between terms, an unavoidable piece of scheduling, but it means that an important vote is coming up at an unfortunate time.

There are several problems which I find troubling. Uppermost in everyone's mind is simply how remedial education is to be financed. We have been given to understand that Penn State will be operating with a fixed set of resources in the years to come, and any new program must necessarily be instituted at the expense of existing activities. The big question is who is going to suffer, what programs will have to be cut back or eliminated in order to finance remediation, and is it worth it?

For example, I personally feel that our graduate program makes a significant contribution to the prestige of the University, and I am concerned that the graduate program will be among those called upon to make the sacrifice to help start up a broad, remedial education program. Assuming for the sake that there are other ways that remediation can be financed, but most of us would agree that it is vital that in the process we don't sacrifice the prestige of Penn State. In adding programs we don't want to continue to sap the strengths of the University. At the same time we don't want to be labeled as a remedial institution. If Penn State gets that kind of reputation, the good students will not come here. And so if we're going to measure average student ability by SAT scores, as in the commission report, we are not going to be any better off than we are now. The bright students will decide to go elsewhere.

The eventual scope of the remediation program is still another problem. At present, remedial education is optional, so the pressure is on the individual units that offer the remedial courses to keep costs down. Once you formalize the program and make it compulsory, you create an administrative network to oversee the program, and costs are bound to escalate. To my mind, a preferable situation would be one where the fiscal responsibility remains with the individual units offering remediation.

This raises still another question: What kind of faculty are you going to need to teach large numbers of remedial courses? Are we going to hire high school teachers to teach them? The commission says we need a two-tiered system of faculty is undesirable, and I agree with that, but you can't hire a host of experts in remediation to teach each one of these courses First of all, they're unavailable, and second, they're expensive. Under the present system the responsibility rests with individual segments of the University to staff these courses adequately in the best way they see fit.

The merits of a mandatory versus an optional program is a key question. The commission reports that optional programs have been held to be more successful than mandatory ones; nevertheless, they are advocating the mandatory program. One of the reasons for this, they say, is that the students are made more aware of the risks involved, they will work harder.

The commission has accumulated a great many statistics to show that our entering students have demonstrated a need for remedial education. But as one of the student senators pointed out, the students often have a very relaxed attitude toward their entrance tests. They don't understand how much is at stake, so they are probably not putting out their best efforts in writing the examinations. This is due, perhaps, to a lack of maturity or to the fact that they have never been in a college situation. It is the feeling of many of these students that they are better than these tests show. This is my view as well. One student I know of, for example, forgot a few trigonometric formulas and did very poorly on his entering math test, but he went on to enroll in advanced math courses and did quite well. That's characteristic of what can happen. It's my feeling that a number of students can quickly recover to the point where they can remove their deficiencies on their own. Presumably, many Penn State students are admitted with a prognosis of a successful college career, although they may be lacking in one particular basic skill. It seems to me that a decision should be then made as are of their deficiency, are able to make the decision either to seek out the proper course or study on their own; in other words, bootstrap themselves up to the point where they have the required basic skills. Required courses are not the only means of motivating the students in this direction

There's no question, of course, that some students do benefit from remedial course work, but I suspect they will continue to be the ones who enroll voluntarily.

I've been at Penn State for about 15 years, and ever since I came here, I've heard professors complain about students not being able to add correctly or properly or to write grammatically correct sentences. Certainly the average scores on the various standardized tests are showing that if there is a problem, it is increasing. It is interesting that we also see a parallel grade inflation. The problem is also partly compounded by the general tendency of faculty to grade examinations on content alone, rather than on the basis of the overall clarity of expression. Helping students to express themselves more coherently is not going to be accomplished simply by a mandatory program. The English and math departments can't do it by themselves.

I think a problem exists. It has existed ever since I have been here, although I haven't really noticed it being any more severe now than when I first arrived. Certainly a mandatory program would help performance on an advanced level test, but I think really it's more a matter of general faculty responsibility to demand the proper quality work.

The commission points out in its report that a number of other universities are approaching the remediation problem in various ways. It doesn't necessarily follow that we must have a knee-jerk reaction to this fact or feel obligated to do something more dramatic than other universities. Nor do I see much merit in the commission's suggestion that a remedial education program would make it possible for people to do research on remediation. I don't think that is a valid reason for adding a program — simply to provide some sort of data bank for researchers.

Even though the commission report recommends that this be a limited closed-ended type thing, I think experience tells us that once the general program is established, it will be there to stay. There will be no getting rid of it even though the prognosis is that incoming freshmen will be more competent and basic skills are going to improve within nine years.

My own suggestion would be to adopt a modified form of the commission's proposal Before going all out with a mandatory program we should first see how effective we are in the remediation we're doing at the moment. At present I am unaware of any study to this end. The report of the commission admits that "there is little evidence to indicate that remedial education is effective." One suspects the students have benefited, but the question is how much in comparison with those who have not availed themselves of the opportunity.

We should continue to make the remedial courses available, but it should be a response to a demand, not a requirement. Extra motivation seems necessary, there are other approaches Years ago there was an English exam which every one had to pass in order to go from the sophomore to the junior year. One could explore the possibility of requiring students to pass such an examination at some time during their college career, and it would be up to the student to make sure the background was there, whether it was obtained by taking one of the remedial courses that we offer or by independent study. Another possibility is to add a credit onto some of our existing courses, a practice already in use. The extra credit added to a course represents one extra meeting a week for remedial help, but it's optional whether or not the student takes it.

Finally, I realize that the commission has made an appealing proposal because it offers a chance for Penn State to do something dramatic in the way of remedial education, but I'm very afraid something dramatic in this direction would have other repercussions that I don't think we want.

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Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Faculty Notes

Fourteen Faculty Research Fellowship grants have been awarded by the Institute for the Arts and Humanistic Studies for the 1977/78 summer and fall terms.

Recipients from the College of the Liberal Arts are:

Dr. Eugene N. Borza, associate professor of history, for research and study of the political, philosophical and social customs of the ancient Macedonians;

Drs. Dennis Brestensky, Evelyn Hovanec and **Albert Skomra**, assistant professors of English (Fayette Campus), for a joint study of the oral literature and lore of the bituminous coal miner in southwestern Pennsylvania;

Dr. Conrad Cherry, professor of religious studies, for research into the manner in which Scottish thought has influenced American philosophies and theologies of nature;

Dr. Michael Kiernan, assistant professor of English, for research in the beginning of a second volume of Francis Bacon's *Essays*: Volume 2: *Variorum Commentary*;

Dr. Alan E. Knight, associate professor of French, for research and study of late medieval and early renaissance French drama;

Dr. Joseph Paternost, associate professor of Slavic languages, for socio-linguistic study of Slovenes in Pennsylvania;

Dr. Charles S. Prebish, assistant professor of religious studies, for research necessary to the completion of his book on American Buddhism;

Dr. Martin Quinn, assistant professor of English (Beaver Campus), for research to complete an edition of Bernard Shaw's writings on Charles Dickens and to begin a biography of William Archer; and

Dr. Dan P. Silverman, associate professor of history, for research on economic reconstruction in Britain and France after the First World War.

Recipients from the College of Arts and Architecture are:

James Benshoof, assistant professor of music, for research in the libraries of the Philip Jones Brass Ensemble and the Grnethorpe Colliery Band;

John Cook, professor of art, for the study of present-day public sculpture in Europe;

Dr. Anthony Cutler, professor of art history, for field work in the study of unpublished Byzantine wall paintings in Greece and western Turkey;

E. Lynn Miller, associate professor of landscape architecture, for investigative study of rural communities designed and built during the New Deal era; and

Glenn E. Steyers, associate professor of landscape architecture, for continuation of research and study of the landscape-architect-designer Frederick Law Olmsted Sr.

Dr. **Peter B. Meyer**, associate professor of economic planning, presented three papers this week at the National Conference on Criminal Justice Evaluation in Washington, D.C.

Two of the papers were co-authored with **Dr. David E. Duffee**, associate professor of criminal justice. They were entitled "Alternatives to Incarceration: Humane Corrections or Low Cost Social Control?" and "Prerelease Residence and Parole Outcome: Panel Study Methods and Pennsylvania Results." The third paper was entitled "Classification of Social Services for Evaluation: A Dilemma and a Solution."

Dr. **William I. Roberts III**, associate professor of history at Ogontz, has been invited to serve as a visiting professor of American history at the University of Adelaide, Australia. A member of the Ogontz faculty since 1955, Dr. Roberts is a specialist in early American economic growth and transatlantic trade.

Dr. James B. Thies, associate professor of accounting and management information systems, is co-author of an article in the January issue of The Accounting Review. The article is entitled "Capital Expenditures Data for Inflation Accounting Studies."

Dr. Roland H. Good Jr., professor and head of the Department of Physics, has been elected to a two-year term on the Executive Committee of the Forum on Physics and Society of the American Physical Society.

Dr. Reginald A. Deering, professor of biophysics, presented a paper at the annual meeting of the Biophysical Society in New Orleans, La., this month. His paper, "Genetic and Molecular Characterization of Radiation Sensitive Mutants in *Dictyostelium Discoideum*," was co-authored by graduate student Dennis L. Welker.

Patricia L. Ryan, assistant professor of theatre and film, will be a guest artist and teacher with the Nebraska Repertory Theatre this summer. She will perform the roles of Dolly Levi in *The Matchmaker*, Maxine in *The Night of the Iguana*, and Fraulein Schneider in *Cabaret*.

Dr. James G. Beierlein has been named assistant professor of agricultural economics, effective Feb. 1. He is a graduate of Rutgers, where he received a B.S. and M.S. in agricultural economics. His Ph.D., also in this area, was conferred at Purdue.

Vincent A. Virgulti, instructor in Spanish at the Ogontz Campus, has written "The Half-Friend Tale: A Study in Adaptation and Universality" published in the current issue of Talisman.

Dr. Michael T. Kiernan, assistant professor of English, is author of an annotated bibliography, "Henry the Fourth, Part One: A Bibliography to Supplement the New Variorum Edition of 1936 and the Supplement of 1956" of the Modern Language Association of America.

Dr. Drew W. Hyman, assistant professor of community development, spoke Feb. 9 in Washington, D.C., at the first anniversary meeting of the National Association of Consumer Agency Administrators, a new organization whose members have first-hand knowledge of the problems of greatest concern to consumers. Dr. Hyman pointed out common interests of the consumer and ombudsman movements, and discussed the management information and evaluation system developed by Penn State for the Governor's Office in Pennsylvania.

Dr. Anthony Cutler, professor of art history, has been elected to the U.S. National Committee of Byzantine Studies. He has also been chosen as program chairman for the 1977 Byzantine Studies Conference, which will be held at Columbia University, in association with the Metropolitan Museum of Art, next December. Dr. Cutler is the author of two recent articles on Byzantine manuscript illumination, published in the *Revue des Etudes Byzantines* and the Journal of the Walters Art Gallery.

"Neo-Classical Architecture: Theoretical Comments from a Classicist" was the title of a paper presented by **Dr. Dawson Kiang**, associate professor of art history, at the annual meeting of the Society of Architectural Historians held earlier this month in Los Angeles.

Prof. Egon Gartenberg, retired associate professor of music at the Mont Alto Campus, was awarded the Great Cross for Meritorous Service Rendered to the Republic of Austria on Feb. 9 in Washington, D.C. Prof. Gartenberg was honored for two books he has written dealing with musical life in Austria.

Calendar

February 24 — March 10



Special Events

Thursday, Feb. 24
Final examinations

Saturday, Feb. 26
Sports: Men's and women's rifle, vs. Kutztown, 2 p.m.; wrestling, vs. Montclair State, 7:30 p.m.

Sunday, Feb. 27
Black Christian Fellowship worship service, 11:15 a.m., Eisenhower. Rev. Charles L. Coleman.

Tuesday, March 1
University Faculty Senate meeting, 1 p.m., Room 112 Kern.
College of Agriculture faculty meeting, 4 p.m., Rooms 301 A&B Ag. Admin. Bldg.
Sports: Women's basketball, vs. Delaware, 6:30 p.m.
Fixed date for meetings involving Commonwealth Campus faculty

Thursday, March 3
Research Orientation Workshop, sponsored by the College of Education with the Colleges of the Liberal Arts, Health, Physical Education and Recreation; and Human Development. Registration, 12-1:30 p.m.; sessions, 1:30-7 p.m., Chambers.
Fixed date for meetings involving Commonwealth Campus faculty

Friday, March 4
Research Orientation Workshop, 9 a.m.-4:30 p.m., Chambers.
Fixed date for meetings involving Commonwealth Campus faculty.

Saturday, March 5
Commencement, 10:30 a.m., Rec Bldg.

Sunday, March 6
Sports: Men's volleyball, vs. Cornell, 1 p.m.

Tuesday, March 8
Registration, 8 a.m.-5:30 p.m., Intramural Bldg.
Orientation tours of Pattee Library, 9 a.m., 11 a.m., 1:30 p.m., and 3:30 p.m.
Fixed date for meetings involving Commonwealth Campus faculty.
Pre-examination in German for advanced degree candidates.

Wednesday, March 9
Registration, 8 a.m.-5:30 p.m., Intramural Bldg.
Orientation tours of Pattee Library, 9 a.m., 11 a.m., 1:30 p.m., 3.30 p.m., and 7 p.m.
Pre-examination in German for advanced degree candidates
Free U booklets available at Free U office, HUB desk, Kern, Pattee Library, and various town businesses.

Thursday, March 10
Spring term classes begin 8 a.m.
Roger Latham, Outdoor Editor, Pittsburgh Press, on "The Role of the Outdoor Writer in Educating the Public," 7:30 p.m., Room 301 Ag. Admin. Bldg. Sponsored by the Wildlife Society.

Seminars

Monday Feb. 28
Biochemistry/Biophysics, Ernst Freese, Laboratory of Molecular Biology, NINCDS, NIH, on "Mechanisms Controlling Bacterial Sporulation," 3:55 p.m., Room 101, Althouse.

Thursday, March 3
Microbiology & Cell Biology, Donna Bedard, Johns Hopkins University, on "The Initiation and Translation in vitro of mRNA for MOPC 315 Immunoglobin Heavy Chain and Characterization of the Translation Product," 4 p.m., Room 52 Frear.

Thursday, March 10
Physics/Philosophy, Paul Teller, University of Illinois, on "Complementarity, Quantum Logic and the Quantum Jump in the Concepts of Physics," 3.50 p.m., Room 117 Osmond.
Microbiology & Cell Biology, Dr. Robert Lausch, Hershey Medical Center, on "The Role of Tumor Antigen in Progressive Growth of Immunogenic Tumor Cells," 4 p.m., Room 52 Frear

Exhibits

HUB Gallery: Drawings and paintings by Shirley Buell Bemreuter, through March 8. Howard Morris, African objects show and sale.
Kern Gallery: Wood sculpture by Edgar Farmer and George Wilson, through March 6. Drawings and watercolors by Rebecca Mast, through March 6.
Museum of Art: Recent Works by James Stephenson, Gallery A. Selections from the Permanent Collection, Gallery B. The Material Dominant (some current artists and their media), Gallery C.

Funding Sources

For further information, call 865-1372

(260-1) The NSF Directorate for Science Education has announced an April 22 deadline for proposals submitted to the following science education programs: **Development in Science Education** consolidates existing programs and has the goal of improving quality, relevance, and productivity of science education. **Research in Science Education** is a new effort in the natural and social sciences, mathematics, and engineering and will support critical evaluation of existing work as well as research aimed at improving science education. (Ref. SE77-50, SE77-55)

(260-2) Research relating to the **dissemination and use of scientific and technical information** (STI) is supported by the National Science Foundation. Four project categories are reported below as given by NSF: 1) "innovations in engineering publications, 2) use of STI and the effectiveness of scientists and engineers, 3) improved STI communication among scientists and engineers engaged in interdisciplinary or applied research engineering activities, and 4) the economics of information." The proposal closing date is April 15. (Ref NSF 76-51)

News in Brief

(Continued from page 1)

direction of Mark D. Johnson, a member of the University's Planning Services Division on temporary assignment.

"Our job," he said, "is to assist people in obtaining or locating information on any aspect of collective bargaining in which they are interested."

The Information Center contains a collection of literature on all facets of faculty unionization, both pro and con. The materials are organized into approximately 30 topical areas, including case studies, collective bargaining agreements, economics, governance, and scope of faculty bargaining.

The Center, which is open from 9 a.m. to 5 p.m. Monday through Friday, has a circulating collection consisting of basic texts and a collection of articles. Most of the other materials may be taken out overnight. Limited copying services also are available.

Information may be added to the Center's collection by interested groups and individuals

Mr. Johnson said persons desiring information may call the Center at 865-3531 or, outside the University Park area, (800) 252-3814, a direct dial toll-free number.

A small collection of materials distributed by the Information Center also is available at each of the Commonwealth Campus libraries.

Parking decal time

Since the present parking bumper stickers will expire on March 31, new bumper stickers will be issued to faculty and staff throughout March. This is being done in conjunction with the issuance of new license plates for passenger vehicles in Pennsylvania. However, all vehicles with bumper stickers, including trucks and vehicles with out-of-state license plates, must be registered to receive and display new bumper stickers by April 1. The new stickers will remain valid for at least one year.

Faculty and staff members who register a second vehicle for parking privileges will be required to pay a $10 fee and present the fee receipt to their parking representative. Financial Officers and the Bursar's Office will accept the fee and issue the receipt.

Remnants of the old bumper stickers do not have to be presented to receive the new stickers. However, once the new stickers are received, remnants of the new stickers are necessary to receive free replacements.

The new bumper stickers may be placed on top of the old stickers or applied in lieu of them. Only the new stickers are to be displayed on the bumpers of the vehicle. If you remove the old stickers, a razor blade is the best tool to use, but please be careful. The area on the bumper where the new stickers are to be displayed must be wiped clean and dry for the new stickers to adhere.

1,700 winter grads

More than 1,700 graduates will receive degrees at the University on Saturday, March 5. Dr. Helen D. Wise, of State College, a trustee of the University and a member of the State House of Representatives, will join President Oswald in conferring the degrees at the exercises, scheduled for 10:30 a.m. in Recreation Bldg.

At the winter term exercises, 1,308 seniors are scheduled for baccalaureate degrees while 111 students who completed two-year programs at the Commonwealth Campuses will be graduated with associate degrees. There are 320 graduate students listed for advanced degrees, including 251 for the master's degree, 57 for the doctor of philosophy degree, and 12 for the doctor of education degree

Fitness — sports clinic

The Mid-Atlantic Regional Physical Fitness and Sports Clinic of the President's Council on Physical Fitness and Sports will be hosted this Friday and Saturday by the College of Health, Physical Education and Recreation. The clinic will feature talks and demonstrations by some of the nation's leading physical fitness and sports experts, including Dr. Lawrence Lamb, noted cardiologist; Walt Chyzowych, U.S. Soccer Team coach; Richard Kentwell, U.S. Olympic Field Hockey coach; and Grace Reynolds, of Project Aquatics. Franco Harris of Penn State and the Pittsburgh Steelers, and Mel Gray of the St. Louis Cardinals are also scheduled to be on hand. Instruction in such activities as tennis, weight training, team handball, cycling, badminton, adapted aquatics for the physically handicapped, and dance will be provided.

Gas shortage delays McKeesport opening

The McKeesport Campus will delay opening of spring term classes a week — until March 17 — because of a shortage of natural gas. Dr. Herbert G. McGibbeny, Campus director, said the Equitable Gas Co. has ordered the Campus to limit its use of natural gas to the point where the situation is critical. Temperatures in Campus buildings are being maintained at 62 degrees while classes are in session. During the period between terms, building temperatures will be at minimal levels, ranging from 50 to 55 degrees.

Nutrition program

The Student Dietetic Association is inviting all faculty members to a nutrition program built around the theme set by the American Dietetic Association: "Nutrition: Food way to Fun and Fitness," during National Nutrition Week. The program will be held at 7 p.m. on Thursday, March 10, in Room S-209 Henderson Human Development Bldg. Refreshments will be served afterwards in the Living Center.

President comments on Shapp budget

Governor Shapp in his Executive Budget message for 1977-78 presented to the Legislature on Feb. 15 recommended an appropriation of $109,761,000 for Penn State, a 2.81 percent increase over the $106,759,000 appropriated for the current fiscal year and a sharp reduction from the amount requested by the University.

The University request to the Commonwealth was for $125,407,000, including $3,942,000 for medical education, representing an increase of 18.6 percent over the amount received for the current year.

The budget for the current year provides $2,784,000 for medical education and the recommendation of the Governor for 1977-78 provides no increase in the amount, which is based on the $7,465 per capita for medical education, the same per capita figure used since the 1971-72 appropriation.

Commenting on the Governor's recommendations, President John W. Oswald said:

"The Governor's Executive Budget recommendation for the 1977-78 appropriation for Penn State, Pitt and Temple falls far short of meeting the basic needs of the three Commonwealth Universities. The budget contains a recommended increase of less than 3 percent, and further it appears that the three universities would not be treated comparably with other needs of the State

"We shall make every effort to increase the appropriation to a realistically adequate and equitable level. In view of the uncertainty of the Commonwealth's revenue picture, Penn State's ultimate appropriation may not be clarified for several months.

"For 1973-74, the Governor recommended a zero increase in Penn State's appropriation. The General Assembly and Governor ultimately approved an increase of 5.4 percent. In 1975, the Governor proposed a 20 percent cut in support for research and service programs which we were ultimately able to restore. Again, now in 1977, we are faced with a need to increase the recommended level.

"As in previous years, our highest priority will continue to be people — the security and well-being of a quality faculty and staff to provide sound programs for students and others whom Penn State serves.

"A very high priority in Penn State's budget request was to avoid further increases in student tuition. Clearly this goal cannot be achieved with an appropriation at or near the level recommended in the Governor's budget — yet we must try to minimize any increase in tuition cost to our students.

"Another concern is the absence in the Governor's budget of any increase in the per capita appropriation for medical education. This amount has not changed for six years, and the College of Medicine at Hershey faces increasingly severe financial problems. The quality of medical education and expanded programs to improve health care in Pennsylvania, particularly in rural areas, cannot be maintained indefinitely without a significant increase in support.

"We are taking every possible measure to develop full understanding and support for Penn State's needs. In early February, a detailed explanation of Penn State's appropriation request was sent to over 35,000 Penn State alumni. I have also written personally to over 200 key alumni and friends of the Pennsylvania. We will continue to intensify our efforts to work with these individuals and groups to develop broad support for Penn State's appropriation.

"In the coming weeks I will testify before the House and Senate Appropriation committees and will meet with other key governmental officials to emphasize the need for adequate and equitable appropriation.

"I am confident that the citizens of Pennsylvania want the University to obtain the financial support essential to maintain the quality and responsiveness of our programs and services for the immediate and long-range benefit of our Commonwealth."

First-generation

(Continued from page 1)

and 3 percent of mothers have graduate degrees, and an additional 2 to 3 percent of both mothers and fathers have done some graduate work.

Statistics on occupations show that 25 percent of the fathers of all first-year students are skilled or semi-skilled workers while another 4 percent are laborers. About 28 percent of fathers are businessmen, 10 percent are engineers, 3 percent are secondary school educators, about 2 percent are farmers or foresters, 1 percent each are doctors, health professionals or military men and 2 percent are unemployed. The remainder are in other occupations.

Statistics on mothers show that 38 percent are full-time homemakers, 10 percent are clerical personnel, 7 percent are skilled or semi-skilled workers, 5 percent are businesswomen, 5 percent are in elementary or secondary education, 5 percent are nurses, about 3 percent are laborers, 1 percent are health professionals, 10 percent are unemployed and the remainder are in other occupations.

Work is important to students as well as their parents, according to answers to other survey questions. Seventy-three percent of the Penn State men and women said a very important reason in deciding to go to college was "to be able to get a better job." Fifty-two percent said another very important reason for college was "to be able to make more money."

The survey showed that many students commute to Penn State or enjoy attending college close to home. Sixty-two percent of all Penn State men and women attend a campus within 50 miles of their home.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling Employment Division, 865-1367 (network line 475-1367). Applications for these staff vacancies will be accepted until 5 p.m., **Mar. 3, 1977. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

RECRUITER, OFFICE OF STUDENT AFFAIRS, SECONDARY SCHOOL RELATIONS — University Park Responsible to the Director, Secondary School Relations, for identifying and encouraging the admission of highly qualified minority students into the University. Bachelor's degree or equivalent, preferably from PSU, plus over one and up to and including two years of directly related experience in recruiting or counseling is required

OATA ADMINISTRATION COORDINATOR, MANAGEMENT SERVICES — University Park Responsible to the Data Base Supervisor for documenting data base policies and guidelines, participating with data and supporting systems development staff by providing the necessary tools and reference aids concerning the scope and fidelity of the existing University data bases. A bachelor's degree, or equivalent, in information science, library science, or business administration, plus one to two years of administrative and business experience in record keeping. Computer science experience is highly desirable

UNIVERSITY PHYSICIAN, OFFICE OF STUDENT AFFAIRS, HEALTH CENTER — University Park Responsible to restore students medically to a functioning condition of good health in a minimum amount of time to permit the student to gain maximum benefit from his/her university education. Candidates must possess a degree of Doctor of Medicine from a school of medicine accredited by the American Medical Association and a license to practice medicine in the Commonwealth of Pennsylvania. Four to five years' previous related experience required. Candidate must submit and pass a pre-employment physical examination

SUPERVISOR, POTATO BREEDING RESEARCH FACILITY, COLLEGE OF AGRICULTURE — University Park Assist faculty members in the development, management and operation of the Potato Breeding Research Facility. Train and supervise the work of assigned personnel. Direct and oversee the planting, growing and harvesting of experimental potato crops. Oversee a systematic storage of potatoes. Interpret and utilize computer printouts as they relate to potato research breeding. Bachelor's degree in agricultural science or equivalent, plus over one year and up to and including two years of directly related experience in farm management or potato breeding research and evaluation programs. A demonstrated ability to direct the work of others is also required.

ASSISTANT TO THE DIRECTOR OF DIVISION OF AOMISSIONS, RECORDS, AND SCHEDULING, DIVISION OF AOMISSIONS, RECORDS, AND SCHEDULING — University Park Responsible to the Director of the Division of Admissions, Records, and Scheduling for providing planning assistance and systems analysis for the various offices of the division and for coordinating data processing operations with Management Services. Bachelor's degree or equivalent and one to three years of directly related experience is required. Position requires a knowledge of applications programming and analysis, and familiarity with data processing equipment and techniques. Experience in systems analysis and programming in an educational setting is desirable.

INSTRUCTIONAL SERVICES OFFICER — Capitol Campus Responsible to the Dean of the Faculty for effective utilization of instructional media, including instructional materials services. Master's degree, or equivalent, preferably in instructional media, and a minimum of one year of directly related experience

MANAGER OF TEST KITCHEN, FOOD SERVICES — University Park Responsible to the Director of Food Services for operation of the test kitchen, specifically responsible for standardizing recipes, preparing samples for taste test panels. Conduct training programs, test product samples. Investigate new products. Bachelor's degree, or equivalent, in food chemistry technology, nutrition or hotel restaurant administration, plus two to three years of directly related experience.

March 10, 1977 Volume 6, Number 6

Penn State Intercom

Award nominations requested

President Oswald has appointed a general committee chaired by Richard E. Grubb to coordinate the solicitation of nominations for three all-University awards — the McKay Donkin Award, the John E. Wilkinson Award for Administrative Excellence, and the Barash Award for Human Services.

As in previous years, three subcommittees will screen nominations and develop recommendations for the respective awards. Doris M. Seward chairs the Wilkinson Award Subcommittee, Della Durant the Barash Award Subcommittee, and Ray T. Fortunato the Donkin Award Subcommittee.

Nominations for the 1977 awards are encouraged from either organizations or individuals in both the University and the community and are to be sent to Dr. Grubb, Room 203-C Old Main, no later than April 1. The supporting information which accompanies nominations should be as brief as possible and must emphasize those qualifications and activities relevant to the particular award for which the individual is being nominated.

A brief description of the qualifications for each award follows.

The McKay Donkin Award

The McKay Donkin Award was established in 1969 in honor of the late McKay Donkin, who served as Vice President for Finance and Treasurer of the University from 1957 to 1968. The award, which consists of a $500 stipend and a certificate, is presented to the full-time member of the faculty or staff or a retiree who has contributed most to the "economic, physical, mental or social welfare of the faculty" of the University. The contribution of the nominee should be for duties or services which are above and beyond his or her regularly assigned duties. Previous recipients of the award were William G. Mather, Ernest B. McCoy, Samuel C. Blazer, Eugene Weltstone, Kenneth L. Holderman, Patricia Farrell and Lawrence Perez.

The John E. Wilkinson Award for Administrative Excellence

The John E. Wilkinson Award for Administrative Excellence was established in 1970 by friends of Mr. Wilkinson, a lifelong Centre County businessman. The award, which carries a stipend of $500, is made annually to a member of the University's staff whose performance, methods and achievements exemplify administrative excellence. Previous recipients of the award were Paul M. Althouse, John B. Pezzoni, Kenneth L. Holderman, Eleanor Ferguson, Harry D. Zook, and Russell E. Larson.

The Barash Award for Human Services

The Barash Award, which was created in 1975 by the family of the late Sy Barash, will be awarded again this spring. It is an annual award to a full-time member of the faculty, staff or student body at University Park who has contributed most, apart from regular duties, to human causes, public service activities and organizations, or welfare of fellow humans.

Any full-time person at the University Park Campus who meets the criteria for the award as previously described is eligible for consideration. This award carries a stipend of $1,000. Previous recipients of the award were Robert Welsh and Ronald Ross.

PLRB excludes medical college

The Pennsylvania Labor Relations Board, in a decision released on March 7, excluded the faculty of the College of Medicine from the overall faculty voting unit of the University.

Commenting on the Board's ruling, President Oswald indicated that the decision "demonstrates the effect which external third parties have, under collective bargaining, upon the internal affairs of the University.

"The decision whether to adopt a collective bargaining system of employment relations is a 'crossroads' decision of fundamental importance to the future course of the University, which all faculty members should decide together. This ruling prevents the faculty of the College of Medicine from participating in this important determination."

Dr. Oswald stated that his principal concern is that "such legal separation of this one faculty from the rest will make more difficult efforts to promote collaboration among the College of Medicine and other Colleges of the University. This could affect a wide variety of joint activities, including significant health research projects.

"By functioning as one University with one faculty, Penn State has been able to fulfill effectively its teaching, research, and public service obligations to the people of the Commonwealth. Therefore, such a separation of the faculty does not serve the public interest."

Dr. Oswald concluded that "we will consider very carefully the possibility of an appeal of the Labor Board's decision to the courts."

Under the Public Employe Relations Act, no appeal is possible until after the collective bargaining election scheduled for March 30-31. In the event that the courts would reverse the decision, a new election would be required.

The PLRB's decision to exclude the faculty of the College of Medicine from the University voting unit is the culmination of 11 months of unit determination hearings which ended in December 1976. When the hearings concluded, the status of the College of Medicine was the only unresolved issue requiring a Labor Board ruling.

Initially, the petitioner for an election, The Pennsylvania State University Professional Association (PSUPA), sought a broad unit including faculty, academic administrators, and non-academic professional staff. PSUPA, however, amended its petition last November and conceded to the position of the University that the unit should include only faculty.

The American Association of University Professors (AAUP) filed a brief on the

(Continued on page 6)



Sir Derek Barton

Laureate to talk

Nobel Laureate Derek Barton has been named 51st Priestley Lecturer at the University and will offer a series of public talks titled "Conception and Accident in Organic Synthesis" March 14 through 17. The lectures are sponsored by Mu Chapter of Phi Lambda Upsilon, chemical honorary society, and the chemistry-related departments of the University.

Dr. Barton's four lectures are individually titled "Penicillin," "Positive Fluorine," "Sulfur and Nitrogen," and "Selinium and Tellurium." The first three, scheduled for March 14, 15, and 16, will be offered at 8 p.m. in Room 105 Forum Bldg. The last talk, on March 17, will be held at 3 p.m. in Room 112 Kern Graduate Bldg.

Sir Derek Barton is Hoffmann Professor of Organic Chemistry at Impenal College of Science and Technology in London. He is probably best known for his development of conformational analysis, for which he shared the Nobel Prize in 1969 with Norwegian chemist Odd Hassel.

Senate approves remedial program

A three-year experimental remedial education program in writing, reading and mathematics has been approved by the University Faculty Senate.

Approval came after a lengthy discussion at the March 1 Senate meeting, during which several changes were made in the proposal of the Joint Presidential-Senate Commission to Study Remedial Education.

The Commission, which first presented its report at the February meeting, had recommended that the program be evaluated, both in progress and, formally, after five years. Under an approved amendment, the formal evaluation will be conducted after three years.

The Senate also approved an amendment proposed by its Curricular Affairs Committee. It provides that courses taken to remove deficiencies in basic skills may not be used to satisfy basic minimum baccalaureate degree program graduation requirements. They also may not be used in calculating grade-point

(Continued on page 6)

Senate to hold symposium on bargaining effects

The University Faculty Senate will sponsor an all-University symposium on the implications of collective bargaining from 11 a.m. to 1 p.m. Thursday, March 17, in Schwab Auditorium on the University Park Campus.

The session will provide a telephone hookup to other Campus locations with a call-back capability. Information on the locations where the hookup will be received at Campuses other than University Park is available at these Campuses.

Thomas E. Daubert, Senate chairman-elect; Lee W. Saperstein, secretary; and Sally S. Small, past-chairman, will preside at the session.

Following is the format for the meeting:

1) Ten-minute position statement by a Penn State faculty member for each of the three groups, American Association of University Professors, Penn State Independent Faculty, and Penn State University Professional Association.

2) Up to three-minute rebuttal time for each speaker in the same order.

3) Questions and comments from the floor limited to three minutes each.

In order to be recognized to speak, a person must be a faculty member of the University and must identify himself/herself by name, College, and Campus before speaking.

The session will be recorded on tape for use of the faculty at all locations.

The Senate, at its regular meeting Tuesday, March 1, considered "The Effect of Collective Bargaining on Faculty Senates" in a forensic session. Four speakers made presentations. The full text of all presentations and comments are contained in the Senate Record.

The list of all faculty members eligible to vote are attached to the Order and Notice of Election issued by the Pennsylvania Labor Relations Board. Copies of this Order are contained in the Collective Bargaining Information Center in Pattee Library and in the libraries of the Campuses. Copies are also posted in the Director's Office at each Campus and at several locations throughout each College at University Park. Faculty members should inquire at their respective Dean's Office to determine where these lists are available within the College.

Latin America is topic of conference

Carlos Rangel, a Venezuelan journalist, television commentator and author, will speak at the opening session of a conference on "Latin America and the United States: The Cultural Barrier" at 8 p.m. on Wednesday, March 16. His talk will be held in Keller Bldg. and will be open to the public.

The conference, to continue through March 18, is sponsored by the

(Continued on page 5)

PENN STATE COLLECTION

Faculty Notes

Dr. Julien F. Biebuyck has been appointed professor and chairman of the Department of Anesthesiology at Hershey, effective July 1. Dr. Biebuyck is currently senior lecturer in anesthetics at the University of Cape Town Medical School and principal consultant at the Groote Schuur Hospital in South Afnca.

A native of South Africa, Dr. Biebuyck received his medical education at the University of Cape Town. He earned a Ph.D. at Oxford University, where he studied under Nobel Laureate Sir Hans A. Krebs as a Nuffield Research Fellow in the Nuffield Department of Anesthetics and Metabolic Research Laboratory.

Dr. Biebuyck then came to the United States as assistant professor of anesthesia at Harvard Medical School and a staff anesthesiologist at Massachusetts General Hospital. He returned to South Afnca in 1975 to assume his current post, and for the past year he also has been chairman of the Association of University Anesthetists of South Africa. At the same time he has continued to serve as a lecturer on anesthesia at Harvard and as visiting scientist for the National Institute of General Medical Science's Burn Trauma Center at Massachusetts General Hospital and the Shriners Burn Institute in Boston.

Dr. Robert Stefanko, professor of mining engineering and associate dean for continuing education in Earth and Mineral Sciences, has received the highest recognition accorded in the field of mineral engineering education. The Mineral Industry Education Award of the American Institute of Mining, Metallurgical and Petroleum Engineers was presented to him at the Institute's annual meeting in Atlanta, Ga , this week.

Dr. Stefanko has carried on his career despite being confined to a wheelchair, the result of a broken back suffered in a mine roof fall three years after he was graduated from Penn State in 1948. He returned to school and earned M.S. and Ph.D. degrees here, joining the faculty in 1957.

He has done pioneering studies in rock mechanics, and in 1970 received the Howard N. Evenson Award of the Coal Division of the Society of Mining Engineers. He has also done research on mine electncal power systems and mine ventilation. He helped start Penn State's mining technology associate degree program, (the first in the country), established graduate programs in rock mechanics and mine electical power systems, and developed short courses on mining topics. Dr. Stefanko has served as an advisor to various governmental agencies on both the state and federal levels.

Dr. Alex Simirenko, professor of sociology, has been appointed a visiting research associate in the University Center for International Studies at the University of Pittsburgh.

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INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Application to mail at second-class postage rates is pending at State College, Pa. 16801

Dr. Budugur Lakshminarayana, professor of aerospace engineering, is the recipent of the College of Engineering's $500 annual award for outstanding achievement in research. Dr. Lakshminarayana, who holds a joint appointment with the University's Applied Research Laboratory, is internationally recognized in the areas of aerospace propulsion, turbomachinery and fluid mechanics. He is also involved in research in such areas as aero-acoustics and aero/hydrodynamics of manne propulsors and aircraft compressors. He received his B.S. in mechanical engineering from Mysore University, India, and his Ph.D. in mechanical engineering from Liverpool University, England. He joined the Penn State faculty in 1965.

Excellence in Teaching Awards have been presented to three engineenng faculty members. Recipients of the certificates and $500 checks are **Dr. Anthony V. Galanti,** associate professor of engineering at Hazleton, **Dr. David H. Laananen,** assistant professor of mechanical engineering; and **Dr. Thomas M. York,** professor of aerospace engineering.

Dr. Galanti was honored as the faculty member who has taught primarily in the associate degree program or in the first two years of the baccalaureate program. Dr. Laananen as the junior faculty member who has taught at Penn State for at least two years, and Dr. York as the senior faculty member who has been on the Penn State faculty for five years or more.

A member of the faculty since 1965, Dr. Galanti earned his B.S. at Penn State, his M.S., at Newark College of Engineering, and his Ph.D. from Lehigh University. He has guided the Chemical Engineering Technology program at the Hazleton Campus since its inception.

Dr. Laananen joined the Mechanical Engineenng Department in 1974. He received his B.S. from Worcester Polytechnic Institute and his M.S. and Ph.D. from Northeastern University. Since coming to Penn State, he has developed a new course on Optimum Mechanical Design. Dr. York joined the faculty in 1969 as an assistant professor of aerospace engineering. He has B.S. and M.S. degrees from Penn State and a second master's and a Ph.D. from Princeton University. He is a recipient of the Penn State Engineering Society's Outstanding Advisor Award and the American Institute of Aeronautics and Astronautics Outstanding Faculty Adviser Citation. In addition to his normal work load, Dr. York planned and taught a course in technical and scientific writing.

Penn State President Emeritus, **Dr. Eric A. Walker,** was a member of The Advisory Committee on National Growth Policy Processes to the National Commission of Supplies and Shortages and helped author the group's recently submitted final report, *Forging America's Future: Strategies for National Growth and Development.*

The committee, in operation one year, was given a mandate by Congress to develop recommendations for improving the policy-making processes within the executive and legislative branches of the federal government and to devise a system for coordinating state and local government involvement in that process. Nineteen business, labor, state and local government leaders and representatives of academia and consumer and public interests groups served on the committee.

William L. Dulaney, professor of journalism, served on the staff of a Reporters' Training Seminar for Pennsylvania newspaper reporters March 6-10 in Harnsburg Sponsored by the Pennsylvania Newspaper Publishers' Association, the seminar was intended for journalists without extensive experience or training.

Charles W. Gibbons, assistant professor of art at New Kensington, received a first-prize, the Rachel McMasters Miller Hunt Memorial award of $300, for his painting, "Woods," at the 67th Annual Exhibition of the Associated Artists of Pittsburgh. Prof. Gibbons recently had a show of his paintings at the New Kensington Campus Art Gallery.

Dr. Harry R. Allcock, professor of chemistry, recently gave a series of invited lectures on inorganic macromolecules at The University of Pennsylvania, Ciba-Geigy, Inc., Ardsley, N.Y.; IBM Laboratories, Yorktown Heights, N.Y.; The New York Academy of Sciences; 3M Company, Saint Paul, Minn.; Dow Chemical Corporation, Midland, Mich.; and Northwestern University.

Dr. Geoffrey L. Wilson, associate professor of engineering research at the Applied Research Laboratory, has been elected a Fellow of the (British) Institute of Acoustics.

E. Lynn Miller, associate professor of landscape architecture, has been invited by the University of Lisbon to initiate and develop that institution's first professional degree program in landscape architecture. The invitation was extended by the Portuguese secretary of state for the environment. Prof. Miller will also conduct a series of seminars and workshops, culminating in a comprehensive planning study of the Duoro River in northern Portugal. Assisting in this phase will be **Raymond J. Masters,** assistant professor of architecture, who will develop a computerized landplanning model for the river basin.

Carl Sherman, associate professor of petroleum and natural gas engineering, has been named to the supply-technical advisory task force of the Federal Power Commission's Natural Gas Survey and is chairman of its sub-group on definitions. He is also a member of the Potential Gas Committee, whose objective is to provide realistic biennial estimates of the potential supply of natural gas.

Nancy Cline, documents libranan, testified recently before the National Study Commission on Records and Documents of Federal Officials at the commission's hearings in Washington, D.C. She was the principal witness for the Amencan Library Association, a non-profit educational organization of approximately 35,000 members. She is chairperson of the ALA Government Documents Round Table and a member of the Depository Library Council to the Public Printer. The commission was established in 1974 to study problems relating to the ownership, control, disposition and preservation of records and documents produced by or on behalf of federal officials.

Dr. Gordon C. Godbey, professor of education and associate dean for Commonwealth Campuses in the College of Education, was honored at the Pennsylvania Mid-Winter Conference on Adult Education. He received a citation from the Pennsylvania Association for Adult Education "for excellent services . . . and his leadership influences." Dr. Godbey, during the 15 years he has been a member of the association, twice served as its president.

Dr. Norman Freed, associate professor of physics, presented a series of seminars in Europe during February under the sponsorship of the Nordic Institute for Theoretical Atomic Physics and the Deutsches Elektronen Synchrotron (DESY). The talks were presented at the University of Pans at Orsay and the Center for Nuclear Studies at Saclay, France; the Laboratory for Nuclear Research at the University of Amsterdam; Niels Bohr Institute at the University of Copenhagen; Deutsches Elektronen Synchrotron; Technische Hochschule in Darmstadt; University of Mainz; University of Bonn; and the Academy of Sciences of the Ukranian Soviet Socialist Republic, Kharkov.

Dr. Michael Szabo, associate professor of education, presented a paper, "Human Problem Solving in a Computer-Simulated Environment," at the recent meeting of the American Association for Advancement of Science in Denver, Colo.

Dr. Harvey S. Wiener, associate professor of English, at the invitation of the Director of Faculty Development of Inter-American University in Puerto Rico, conducted a series of four workshops there in Febmary. He dealt with methods for improving writing instruction in subject area courses.

Marion Deppen, assistant director of the Cooperative Extension Service and assistant professor of cooperative extension, spoke on "Quantitative versus Qualitative Program Objectives for Program Development and Staff Performance Appraisal" at a Washington, D.C., seminar Feb. 25. The seminar was sponsored by Management Staff, Extension Service of the U.S. Department of Agriculture.

Dr. Stanley A. Kochanek, professor of political science, is the author of a chapte in the book *Indira Gandhi's India: A Political System Reappraised.* The book was published by Westview Press of Boulder, Colo.

Two papers reporting on a Penn State research project on solar energy were presented Feb. 17 at the Semi-Annual Meeting of the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) in Chicago. The papers were co-authored by Dr. M.W. Wildin, professor of mechanical engineering, University of New Mexico; and by Penn State professors **E.R. McLaughlin,** engineering research, and **Dr. S.F. Gilman,** architectural engineering.

Appointments

Dr. Henry L. Classen has been appoi.ited assistant professor of poultry science. He holds a B.S. in poultry science from the University of Saskatchewan and M.S. and Ph.D. degrees in avian physiology from the University of Massachusetts.

Dr. Edmund J. Holcomb has been named assistant professor of horticulture. He has three degrees in horticulture, a B.S. from the University of Connecticut and an M.S. and Ph.D. from Penn State. For the past three years he has been a research horticulturist and grower at Yoder Brothers, Inc., Barberton, Ohio.

Dr. Reynaldo S. Resurreccion has been named assistant professor of veterinary science. His doctor of veterinary science degree was conferred by the University of the Philippines, and he also holds the doctor of veterinary science degree in tropical veterinary medicine from the University of Queensland. His masters degree in avian medicine and doctor of philosophy degree in animal virology were conferred by the University of Georgia.

Steve Stanic has been named research associate at ARL. He is a graduate of Sir George Williams University, Montreal, with a B.S. in physics. His M.S. in aerospace engineenng was conferred by Penn State, where he is a candidate for a Ph.D. in physics.

SPRING TERM 1977 CALENDAR

The Pennsylvania State University University Park Campus

Special events

Thursday, March 10
Roger Latham, Outdoor Editor, Pittsburgh Press, on "The Role of Outdoor Writers in Educating the Public," 7:30 p.m., Room 101 Ag Admin Bldg. Sponsored by the Wildlife Society
College of Education Lecture Donald Mocker, University of Missouri, Kansas City, on "An Examination of Learning Styles of Illiterate Adults," 8 p.m., Room 101 Kern

Saturday, March 12
Sports Men's fencing, North Atlantic Championships, begins 9 a.m., women's fencing, vs Pennsylvania, Caldwell, Indiana (Pa.), 10 a.m.
International Council Film, "Garam Hava," 7:30 p.m., Room 112 Kern

Sunday, March 13
University Chapel service, 11 a.m., Eisenhower Chapel, Dr. Donald Shaver, Union Theological Seminary.
Sports Men's volleyball, State of Pa. Championships, 9 a.m.
P.S.O.C. Hiking Division, daytrike on Mid State Trail, 9 a.m., HUB parking lot. Fee U registration, 1-10 p.m., HUB ballroom.
Jerzy Grotowski, theatre director, on "Para-Theatrical Projects," 8 p.m., Schwab. Sponsored by the Institute of the Arts & Humanistic Studies

Week of March 14

Monday, March 14
French film, "Liberty Is Ours," 7 and 9 p.m., Room 112 Kern
M.E.C.C.A. film, "Lawrence of Arabia," 7:30 p.m., Room 10 Sparks
Priestley Lecture, Derek Barton, Imperial College of Science and Technology, London, on "Conception and Accident in Organic Synthesis: Penicillin," 8 p.m. Room 105 Forum
Katherine Kello, piano, 8:30 p.m., Music Bldg. recital hall
Commuting Education classes begin
Intramural Sports: Volleyball round robin and badminton sing elim for graduate student and faculty/staff division entry opm, entry close March 17, Intramural Bldg. Women's and coed basketball round robin, coed bowling round robin, badminton singles and doubles sing elim, and women's racquetball round robin, entry opm, entry close, March 17, Intramural Bldg.

Tuesday, March 15
Friends of the Museum of Art Lecture Anne Y. Wolfe, Henry Francis DuPont Winterthur Museum, on "Two Centuries of Wedgewood," 10:30 a.m., Museum of Art
College of Education faculty luncheon, 12:30 p.m., room 101 Kern. Discussion of collective bargaining
College of Agriculture faculty meeting, 4 p.m., Room 301 Ag. Admin. Bldg.
Artists Series Film Festival, Hitchcock, "Sabotage," 8 p.m., University Auditorium.
Priestley Lecture, Derek Barton, Imperial College of Science and Technology, London, on Conception and Accident in Organic Synthesis: Penicillin," 8 p.m., Room 105 Forum
Sigma Xi Lecture R. Stephen Berry, University of Chicago, on "Energy Analysis and Resources Planning, 8 p.m., Room 112 Kern
Free U classes begin

Wednesday, March 16
G.S.A. Commonsplace Theatre, 7:30 and 9:30 p.m., Room 112 Kern "The Birds"
Artists Series Film Festival, Truffaut, "Stolen Kisses," 8 p.m., University Auditorium
Priestley Lecture, Derek Barton, Imperial College of Science and Technology, London, on "Conception and Accident in Organic Synthesis: Sulfur and Nitrogen," 8 p.m., Room 105 Forum
Latin America and the United States Conference, Carlos Rangel, Caracas, Venezuela, on "U.S.-Latin American Relations: True Feelings and Permanent Trends," 8 p.m., Keller auditorium. Reception follows at the Nittany Lion Inn
Smith Toolcon, channel, 8:30 p.m., Music Bldg. recital hall

Thursday, March 17
Artists Series, Shenandoah," 8:30 p.m., University Auditorium
Visiting Artist Lecture Ed McCown, 1 p.m., Zoller Gallery
Priestley Lecture Derek Barton, Imperial College of Science and Technology, London, on "Conception and Accident in Organic Synthesis: Selenium and Tellurium," 3 p.m., Room 112 Kern
Religious Affairs Lecture, Dr. Chuthan on Afro-American Family — 20th Century," 7:30 p.m., Room 112 Kern.
Latin America and the United States Conference, Room 402 Keller. 9:30 a.m., Panel on Governmental Systems: Richard Graham, University of Texas at Austin, on "Are Brazilians Incapable of Democracy?" and Michael A. Weinstein, Purdue University, on "Utopianism and Realism in Latin American Ideology" 2:30 p.m., Panel on Literature John Brushwood, University of Kansas, on "The Spanish American Novel, 1967-76: A Whole vs. the Sum of Its Parts," and Merlin H. Forster, University of Illinois, on "Centers and Peripheries: The Avant-Garde in Latin America." Dinner meeting, John D. Martz, University of North Carolina, on "The Blind, the Deaf, the Lame, Ethnocentric Elitism in Latin American Studies." 6:30 p.m., Nittany Lion Inn



Friday, March 18
Board of Trustees meeting, Hershey.
Last date to register with foreign language waivers (other than French and Spanish) for written language exams
An Evening of Latin American Music, 8:30 p.m., Music Bldg. recital hall
Contemporary Dance Company in Concert, 8:30 p.m., White dance theatre
Latin America and the United States Conference, Room 402 Keller, 9:30 a.m., Panel on the Arts-Juan A. Orrego-Salas, Indiana University, on "Music of the Americas: Viewpoints and Attitudes," and Sheila Imber, Museum of Contemporary Art, Caracas, on "Latin American Attitudes Toward U.S. Art." 2:30 p.m., Panel on Technology Transfer and Development: Homero Parra, National Institute for Educative Cooperation, Caracas, on "Technology Transfer, Human Resources, and Economic Development," and Robert J. Radway, Council of the Americas, on "The Precrucial Aspects of Negotiating a Technology Transfer Agreement between a Multinational Corporation and a Latin American Government."
White Water film, 7:30 p.m., Room 112 Kern

Saturday, March 19
Sports Women's fencing, Sectional and State Championships, 9 a.m., intercollegiate synchronized swimming meet, 1-7 p.m.
Natatorium, hockey, vs. Navy, 7:30 p.m.
P.S.O.C. Hiking Division, backpack near Woolrich, through Sunday.
Contemporary Dance Company in Concert, 2:30 p.m., and 8:30 p.m., White dance theatre
Artists Series, Stuttgart Chamber Orchestra, 8:30 p.m., University Auditorium.
Board of Trustees meeting, Hershey.

Sunday, March 20
University Chapel service, 11 a.m., Eisenhower Chapel Dancers, directed by Patricia Hingel Tanner. University Chapel Choir, readings by Robert Boyer and Charles Coleman
Sports Hockey, vs. New Jersey Jr. Gladiators 7:30 p.m

Week of March 21

Monday, March 21
Add deadline
Last date for May graduates to pay theses fees at Bursar's office and to activate diploma cards in Registrar's office
Shakespeare film, "A Midsummer Night's Dream," 6:30 p.m. Room 101 Chambers Free admission
Color Slide Club meeting, 7:30 p.m., 112 Kern.

Tuesday, March 22
Fixed date for meetings involving Commonwealth Campus faculty.
Camp Days — summer camp representatives will interview beginning at 10 a.m., HUB ballroom.
Shakespeare film, "A Midsummer Night's Dream," 6:30 p.m. Room 101 Chambers Free admission
Comp. Lit. Luncheon, 12:15 p.m., Faculty Club
Graduate Council Committee Lecture, Dr. Lewis Thomas, Memorial Sloan-Kettering Cancer Center, on "On the Selfish Biology, 8 p.m., Room 112 Kern

Wednesday, March 23
Chirteen Dole, French horn, 8:30 p.m. Music Bldg. recital hall
Camp Days — summer camp representatives will interview beginning at 10 a.m., HUB ballroom.
G.S.A. Commonsplace Theatre, "Torn Curtain," 7:30 and 9:30 p.m., Room 112 Kern

Thursday, March 24
Artists Series, Julie Harris in "The Belle of Amherst," 8:30 p.m., University Auditorium
Faculty Women's Club spring luncheon, 11:30 a.m., HUB North Lounge and ballroom.
Art History Lecture Henri Dorra, University of California at Santa Barbara, on "Munch's Dream of Love and Death," 8 p.m., Room 26 Material Sciences
Wildlife Society Lecture Peter Duncan, Joint Legislative Conservation Committee, Commonwealth of Pennsylvania, 7:30 p.m., Room 301 Ag. Admin. Bldg.

Friday, March 25
International Seminar on Therapeutic Ice Skating, 12:30-10 p.m., Keller
International Council film, 8 p.m., Room 112 Kern
Contemporary Dance Company in Concert, 8:30 p.m., White dance theatre

Saturday, March 26
Sports: Women's fencing, vs. Brooklyn, Cornell, 9 a.m., hockey, vs. Duquesne, 7:30 p.m.
Artists Series, Guarneri String Quartet, 8:30 p.m., Schwab
Odetta Concert, 8:30 p.m., University Auditorium.
Contemporary Dance Company in Concert, 2:30 and 8:30 p.m., White dance theatre.
International Seminar on Therapeutic Ice Skating, all day, beginning at 9 a.m., Keller
Children's Craft Workshop, 9:30 a.m., Kern lobby

Sunday, March 27
University Chapel service, 11 a.m., Eisenhower Chapel Dr. Anderson Clark, Affiliate Artists, Inc., N.Y.
P.S.O.C. Hiking Division, trail clear on R. B. Winter extension with free picnic supper, 9 a.m., HUB parking lot
Sports: Men's tennis, vs. West Chester, 11 a.m.; hockey, North East Dodge Senior A, 7:30 p.m.
Musica da Camera Tour Benefit Concert, 7:30 p.m., Museum of Art

Week of March 28

Monday, March 28
Intramural Sports: Tennis doubles sing elim for graduate student & faculty-staff division and for undergraduate division, entry open, entry close, March 31. Coed softball sing. elim. entry open; entry close, March 31. Pass-fail date
Claremont Woodwind Quartet, 8:30 p.m., Music Bldg. recital hall

Tuesday, March 29
Pass-fail date
Comp. Lit. Luncheon, 12:15 p.m., Faculty Club

Wednesday, March 30
PLRB Faculty Union Elections, 9 a.m. Room 101 Kern
Sports Men's baseball, vs. Lehigh, 3 p.m.
G.S.A. Commonsplace Theatre, "Notorious," 7:30 and 9:30 p.m., Room 112 Kern
African Studies Forum Harry A. Reed, Michigan State University, on "Early African Political Activity in Western Kenya," 8 p.m., Robeson Cultural Center
Drop deadline (21 day)
Pass-fail date
Course repeat deadline
Pre-registration deadline (summer term)

Thursday, March 31
Sports Women's tennis, vs. Madison, 2:30 p.m.
PLRB Faculty Union Elections, 9 a.m., Room 101 Kern

Friday, April 1
J. Hillis Miller, Yale University, on "Theology and Logology in 19th and 20th Century Poetry: Stevens, Hopkins, and Wordsworth," 8 p.m., Keller auditorium
Un-Common Dinner Theatre Preview, "Just Around the Corner," 6 p.m., Room 112 Kern
Florida Page, flute, 8:30 p.m., Music Bldg. recital hall
Artists Series, Gregg Smith Singers, 8:30 p.m., Schwab

Saturday, April 2
Sports Men's volleyball, vs. East Stroudsburg, 1 p.m.; men's lacrosse, vs. Drexel, 7 p.m.
Annual faculty-staff-grad swim marathon, all day, Natatorium.
Un-Common Dinner Theatre, dinner 6:30 p.m., play, "Just Around the Corner," 8 p.m., Rooms 102 and 112 Kern.
P.S.O.C. Hiking Division, backpack on Black Forest trail, through Sunday
Last date for May graduates to deliver doctoral theses to committee
Penn State Symphony Orchestra, 8:30 p.m., University Auditorium



Department of Philosophy First Dotterer Lecture Jacob Klein, St. John's College, Annapolis, Md., on "Speech, Its Strengths and Weaknesses," 10:30 a.m., HUB assembly room.

Sunday, April 3
University Chapel service, 11 a.m., Eisenhower Chapel Ma Mary Marks, Pittsburgh Theological Seminary
Sports Men's tennis, vs. Bloomsburg, 1 p.m.
Un-Common Dinner Theatre, dinner, 6:30 p.m., play, "Just Around the Corner," 8 p.m., Rooms 102 and 112 Kern
Tim Shuey, piano, 3:30 p.m., Music Bldg. recital hall
Liberal Arts Spring Conference Stephen K. Bailey, American Council on Education, on "Directions for the Liberal Arts College in the Next Decade," 8 p.m., HUB ballroom

Week of April 4

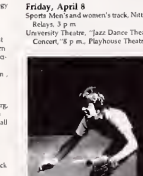
Monday, April 4
Fixed date for meetings involving Commonwealth Campus faculty.
Intramural Sports, Soccer round robin for graduate student & faculty-staff division and for undergraduate division, entry open; entry close, April 7.
Karen Scott, soprano, and Kyung Sook Kim, soprano, accompanied by Phillis Twilo, 8:30 p.m., Music Bldg. recital hall
Liberal Arts Spring Conference HUB ballroom
Richard Gregg on "Who Will Our Students Be?" 9 a.m., Murray Marton on "Faculty Possibilities and Probabilities," 1 p.m.
French film, "Boudu Saved from Drowning," 7 and 9 p.m., Room 112 Kern

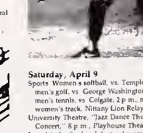
Tuesday, April 5
Liberal Arts Spring Conference HUB ballroom
Carroll Arnold on "What Are the Options for the Next Decade?" and Roland Pellegrin on "How Can the College Best Respond to the Anticipated Conditions and Problems of the Next Decade?" 9a.m., Final Plenary Session, 1 p.m.
Gallery Talk and slide presentation Jerome Witkin will discuss his recent work and his painting, 'Kill Joy' The Passions of Kathe Kollwitz," 10:30 a.m., Museum of Art
University Faculty Senate, 2:10 p.m., Room 112 Kern
Fixed Date for meetings involving Commonwealth Campus faculty
Sports: Women's tennis, vs. West Chester, 2:30 p.m.
Last date for written foreign language exams (other than French and Spanish) for advanced degree candidates

Wednesday, April 6
Artists Series Film Festival, Truffaut, "Two English Girls," 8 p.m., University Auditorium.
Sports: Men's baseball, vs. Lafayette, 3 p.m.
Thaia Tno, 8:30 p.m., Music Bldg. recital hall.
G.S.A. Commonsplace Theatre, "Frenzy, 7:30 and 9:30 p.m., Room 112 Kern

Thursday, April 7
University Theatre, "Jazz Dance Theatre in Concert," 8 p.m., Playhouse Theatre
Visiting Artist Lecture Irvin Petlin, 1 p.m., Zoller Gallery

Friday, April 8
Sports: Men's and women's track, Nittany Lion Relays, 3 p.m.
University Theatre, "Jazz Dance Theatre in Concert," 8 p.m., Playhouse Theatre





Saturday, April 9
Sports: Women's softball, vs. Temple, 1 p.m., men's golf, vs. George Washington, 1 p.m., men's tennis, vs. Colgate, 2 p.m., men's and women's track, Nittany Lion Relays, 3 p.m.
University Theatre, "Jazz Dance Theatre in Concert," 8 p.m., Playhouse Theatre
Last date for final oral doctoral exams for May graduates.
Last date for May graduates to deliver master's theses or papers to advisor

Sunday, April 10
The All-Faith Choir, Tomane Irwin, Director A Service of Easter Music, 11 a.m., Music Bldg. recital hall
P.S.O.C. Hiking Division, hike around Black Moshannon Lake, 9 a.m., HUB parking lot
Shakespeare film "Hamlet" (Olivier), 6:30 p.m., Room 101 Chambers Free admission

Week of April 11

Monday, April 11
Ronald Arden, viola and Cynthia Arden, violin, 8:30 p.m., Music Bldg. recital hall.

History of Photography Week Lecture Estelle Jussim, Simmons College, on "Photography, Wood Engraving and the Art of Illustration," 8 p.m., Zoller Gallery
French film, "A Gentle Creature," 7 and 9 p.m., Room 112 Kern.

Tuesday, April 12
Sports. Men's baseball, vs. Bucknell, 3 p.m.; women's lacrosse, vs. Brockport, 3 p.m.; women's softball, vs. Brockport, 1 p.m.; women's tennis, vs. Pittsburgh, 1:30 p.m.
Comp. Lit. Luncheon. 12:15 p.m., Faculty Club
G.S.A. Bike Repair Workshop, 11:30 a.m., Kern lobby
G.S.A. Awards Night, 9:30 p.m., Room 101 Kern.
Pittsburgh Symphony Residency, University Auditorium

Wednesday, April 13
Sports. Men's golf, vs. West Virginia, 1 p.m.



Alard String Quartet, 8:30 Music Bldg. recital hall
History of Photography Week Lecture H. K. Henisch on "The Non-objective Photograph," 8 p.m., Zoller Gallery.
G.S.A. Commonsplace Theatre, "Psycho," 7:30 and 9:30 p.m., Room 112 Kern.
Pittsburgh Symphony Residency, University Auditorium

Thursday, April 14
Shakespeare Symposium, "King Lear: Our Contemporary?" all day, beginning 10 a.m., Room 112 Kern.
Sports. Women's softball, vs. Ithaca, 3 p.m.
University Theatre, "A Doll House," 8 p.m., Pavilion Theatre
Artists Series Pittsburgh Chamber Orchestra, 8:30 p.m., Schwab
Department of Philosophy Second Distinguished Lecture. Gerhard Funke, University of Mainz, on "Practical Reason in Husserl's Phenomenological Epistemology," 8 p.m., HUB assembly room
Archaeological Institute of America Norton Lecture. Emeline Richardson, University of North Carolina at Chapel Hill, on "Anadoe in Italy," 8 p.m., Room 101 Kern
Wildlife Society Lecture. A. Scott Keog, National Wildlife Federation, on "Encouraging Public Support of Conservation," 7:30 p.m., Room 305 Ag. Admin. Bldg.
Pittsburgh Symphony Residency, University Auditorium

Friday, April 15
Penn State Scholars Program
Shakespeare Symposium. "King Lear: Our Contemporary?" all day, beginning 10 a.m., Room 112 Kern.
Sports. Men's tennis, vs. East Stroudsburg, 2 p.m.
University Theatre, "A Doll House," 8 p.m., Pavilion Theatre
History of Photography Week Lecture Van Deren Coke, University of New Mexico, on "Photography's Answer to Art Deco and Surrealism," 8 p.m., Zoller Gallery
Pittsburgh Symphony Residency, University Auditorium
Artists Series. Pittsburgh Symphony Orchestra, 8:30 p.m., University Auditorium

Saturday, April 16
Penn State Scholars Program
Sports. Men's tennis, vs. Swarthmore, 1 p.m.; men's track, vs. Kent State
University Theatre, "A Doll House," 8 p.m., Pavilion Theatre
Artists Series. Pittsburgh Symphony Orchestra, 8:30 p.m., University Auditorium
Pittsburgh Symphony Residency, University Auditorium.

Sunday, April 17
University Chapel service, 11 a.m., Eisenhower Chapel. Rabbi Elazar Grubstein, Hillel Foundation
P.S.O.C. Hiking Division, exploration near Loop Fire Tower in SGL 118, 9 a.m., HUB parking lot.
Sports. Men's tennis, vs. Haverford, 2 p.m.
Reception for the exhibit Growing Forms by Philip Grausman, Sculptor, 3-5 p.m., Museum of Art
Charles Noble, piano, 3:30 p.m., Music Bldg. recital hall

Week of April 18

Monday, April 18
Old Music. Brent Wissick, 8:30 p.m., Music Bldg. recital hall
Shakespeare film, "Hamlet" (Wilhamson), 6:30 p.m. Room 101 Chambers. Free admission
Color Slide Club meeting, 7:30 p.m., Room 112 Kern

Tuesday, April 19
Fixed date for meetings involving Commonwealth Campus faculty
Sports. Women's lacrosse, vs. Frostburg, 3 p.m.
Faculty Women's Club business social, 7:30 p.m., Kern
University Theatre, "A Doll House," 8 p.m., Pavilion Theatre
Shakespeare film, "Hamlet" (Olivier), 6:30 p.m. Room 101 Chambers. Free admission
Comp. Lit. Luncheon, 12:15 p.m., Faculty Club
Gallery Talk. Thomas Leavitt, Herbert F. Johnson Museum of Art, Cornell University, on "Dimensions of Contemporary Sculpture," 10:30 a.m., Museum of Art. Sponsored by the Friends of the Museum of Art

Wednesday, April 20
Sports. Men's baseball, vs. West Virginia, 1:30 p.m., women's softball, vs. East Stroudsburg, 1 p.m.
University Theatre, "A Doll House," 8 p.m., Pavilion Theatre
William Ellis, saxophone and bassoon, 8:30 p.m., Music Bldg. recital hall.
G.S.A. Commonsplace Theatre, "On the Waterfront," 7:30 and 9:30 p.m., Room 112 Kern.
Commonwealth Campus Western Symposium.

Thursday, April 21
Visiting Artist Lecture. Ellen Lanyon, 1 p.m., Zoller Gallery
University Theatre, "A Doll House," 8 p.m., Pavilion Theatre
Nalads Water Show, 8 p.m., Natatorium

Friday, April 22
Penn State Scholars Program
University Theatre. A Doll House, 8 p.m., Pavilion Theatre
University Readers performance 8 p.m., Room 112 Kern
Nalads Water Show, 8 p.m. Natatorium
David Billings, organ, 8:30 p.m. Music Bldg. recital hall.

Saturday, April 23
Nalads Water Show, 8 p.m., Natatorium.
Penn State Scholars Program
Engineering Undergraduate Council Open House, 10 a.m.–4 p.m. Hammond Gallery
Sports. Men's golf, vs. Kent State, 1 p.m.; women's tennis, vs. Virginia, 9:30 a.m.
University Readers performance, 8 p.m., Room 112 Kern
University Theatre, "A Doll House," 8 p.m., Pavilion Theatre.

Sunday, April 24
University Chapel service, 11 a.m., Multi-Purpose Room, Eisenhower. Joint service with Bais Chaskan Fellowship
Sports. Women's track, vs. Maryland, 1 p.m.
P.S.O.C. Hiking Division, plant trees on abandoned strip mine in Centre County. Free picnic supper, 9 a.m., HUB parking lot.
Rhea Jacobus, flute, 3:30 p.m. Music Bldg. recital hall

Week of April 25

Monday, April 25
Last date for May graduates to deliver theses to Graduate School office

Last date for departments to certify to Graduate School completion of required papers for May graduates
Carol Calder, French horn, 8:30 p.m., Music Bldg. recital hall.
Community Mental Health Nursing Colloquium, 9 a.m., Room 112 Kern.
G.S.A. Crafts Workshop, 11 a.m., Kern lobby

Tuesday, April 26
Artists Series. Film Festival, Hitchcock, "The Lady Vanishes," 8 p.m., Schwab
Sports. Men's lacrosse, vs. Loyola, 7 p.m.
Archaeological Institute of America Lecture. James Packer, Northwestern University, on "Innovations in the Religious Architecture of the Late Roman Republic," 8 p.m., Room 101 Kern
Shakespeare film, "Macbeth" (Evans/Schaeffer), 6:30 p.m., Room 101 Chambers. Free admission.
Comp. Lit. Luncheon, 12:15 p.m., Faculty Club
Community Mental Health Nursing Colloquium, 9 a.m., Room 112 Kern
G.S.A. Crafts Workshop, 11 a.m., Kern lobby

Wednesday, April 27
Sports. Men's baseball, vs. Navy, 3 p.m.
Musica da Camera, 8:30 p.m., Music Bldg. recital hall
G.S.A. Commonsplace Theatre. "To Kill a Mockingbird," 7:30 and 9:30 p.m., Room 112 Kern

Thursday, April 28
Sports. Women's lacrosse, vs. Maryland, 3:30 p.m.
Gentle Thursday, 10 a.m.–10 p.m., HUB lawn.
Wildlife Society Lecture. Leonard Geem, Pennsylvania Federation of Sportsmen's Clubs, 7:30 p.m., Room 301 Ag. Admin. Bldg.

Friday, April 29
William Elliot Lecture. R. Morton Darrow, Prudential Life Insurance Company, on "The Future of American Values and Institutions," 10:45 a.m., Room 112 Kern.
Gallery Talk. Philip Grausman, sculptor, will discuss his exhibit, "Growing Forms," 10:30 a.m., Museum of Art
Phi Kappa Phi banquet and initiation, 5:30 p.m., HUB ballroom
Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. recital hall
Department of Philosophy Institute for the Arts & Humanistic Studies Colloquium in Commemoration of Heidegger. Keller, through April 30
Fixed date for meetings involving Commonwealth Campus faculty

Saturday, April 30
Fixed date for meetings involving Commonwealth Campus faculty
Sports. Men's tennis, vs. Pennsylvania, 2:30 p.m.; men's golf, Nittany Lion Invitational, women's lacrosse, vs. Lock Haven, 2:30 p.m.
P.S.O.C. Hiking Division, backpack on Tuscarora Trail, through Sunday.

Sunday, May 1
University Chapel service, 11 a.m. Eisenhower Chapel
Free U Day, 1-4 p.m., HUB lawn. Celebration of Free U's 6th anniversary with workshops and demonstrations.
Bob Wright, piano, 3:30 p.m., Music Bldg. recital hall

Week of May 2

Monday, May 2
Sherry Sheaffer, soprano, 8:30 p.m., Music Bldg. recital hall
Fixed day for signing summer term NDSL and University long term loans at 108 Shields

Tuesday, May 3
University Faculty Senate, 2:10 p.m., Room 112 Kern
Fixed date for meetings involving Commonwealth Campus faculty
Sports. Women's lacrosse, vs. Slippery Rock, 2:30 p.m.
Comp. Lit. Luncheon, 12:15 p.m., Faculty Club. John McCullough, Philadelphia Evening Bulletin, on "Our Democracy, A Spectator Sport"

Wednesday, May 4
Late drop deadline
Sports. Men's baseball, vs. Buffalo, 1:30 p.m.
Alard String Quartet, 8:30 p.m., Music Bldg. recital hall

Shakespeare film, "Henry V," 6:30 p.m., Room 101 Chambers. Free admission
Last Day for signing spring term NDSL and University long term loans at 108 Shields
G.S.A. Commonsplace Theatre, "Cane Mutiny," 7:30 and 9:30 p.m., Room 112 Kern

Thursday, May 5
University Theatre, "The Great God Brown," 8 p.m., Playhouse Theatre
Penn State Student Films, time to be announced, HUB
Gentle Thursday rain date

Friday, May 6
Sports. Women's golf, Lady Lion Invitational
University Theatre, "The Great God Brown," 8 p.m., Playhouse Theatre
Penn State Brass Chorale, 8:30 p.m., Music Bldg. recital hall
International Council film, 8 p.m., 112 Kern

Saturday, May 7
Sports. Men's golf, vs. Colgate, 1 p.m.; women's golf, Lady Lion Invitational; women's softball, vs. Slippery Rock, 1:30 p.m.
University Theatre, "The Great God Brown," 8 p.m., Playhouse Theatre
Penn State Singers, 8:30 p.m., Music Bldg. recital hall
Commonwealth Campus Eastern Symposium

Sunday, May 8
University Chapel service, 11 a.m., Eisenhower Chapel
Sports. Men's tennis, vs. Temple, 1 p.m.; men's baseball, vs. Pittsburgh, 1 p.m.
P.S.O.C. Hiking Division, build bridge in Green's Valley, free picnic supper, 9 a.m., HUB parking lot
Penn State Glee Club Mother's Day Concert, 3 p.m., Schwab
Linda Kistler, violin, 8:30 p.m., Music Bldg. recital hall
Shakespeare film "King Lear," 6:30 p.m., Room 101 Chambers. Free admission.

Week of May 9

Monday, May 9
Pawel Chomski, piano, 8:30 p.m., Music Bldg. recital hall.
Shakespeare film, "King Lear," 6:30 p.m., Room 101 Chambers. Free admission.
Sports. Men's baseball, vs. Juniata, 3 p.m.

Tuesday, May 10
University Theatre, "The Great God Brown," 8 p.m. Playhouse Theatre
Comp. Lit. Luncheon, 12:15 p.m., Faculty Club.

Wednesday, May 11
Artists Series. Film Festival, Truffaut, "Day for Night," 8 p.m., University Auditorium
Sports. Men's lacrosse, vs. Bucknell, 7 p.m.; men's golf, vs. Bucknell, 1 p.m.
University Theatre, "The Great God Brown," 8 p.m., Playhouse Theatre.
S.O.Clock Theatre, 5:20 p.m., Pavilion Theatre
Composer's Concert, 8:30 p.m., Music Bldg. recital hall
Shakespeare film, "As You Like It," 6:30 p.m., Room 101 Chambers. Free admission.
G.S.A. Commonsplace Theatre, "Play Misty for Me," 7:30 and 9:30 p.m., Room 112 Kern

Thursday, May 12
University Theatre, "The Great God Brown," 8 p.m., Playhouse Theatre

S.O.Clock Theatre, 5:20 p.m., Pavilion Theatre
Visiting Artist Lecture. Hiram Williams, 1 p.m., Zoller Gallery
Wildlife Society Lecture. Glenn Bowers, Pennsylvania Game Commission, on "Sportsmen and Citizen Impacts on Decisions for Wildlife Management," 7:30 p.m., Room 301 Ag. Admin. Bldg.

Friday, May 13
Sports. Men's tennis, vs. Navy, 2 p.m.
Folk and Square Dance Roundup, 7:30 p.m., Room 133 White
University Theatre, "The Great God Brown," 8 p.m., Playhouse Theatre
S.O.Clock Theatre, 5:20 p.m., Pavilion Theatre
Spring Musical Review, 8 p.m., Room 112 Kern

Saturday, May 14
P.S.O.C. Hiking Division, joint hike with Pa., chapter of Sierra Club on Mid State Trail, 9 a.m. HUB parking lot.
Sports. Men's tennis, vs. Pittsburgh, 2 p.m.; men's baseball, vs. Temple, 1:30 p.m.
University Theatre, "The Great God Brown," 8 p.m., Playhouse Theatre.
Last date to submit petition to Records Officer to graduate in absentia in May
University Choirs and Penn State Symphony Orchestra, 8:30 p.m., University Auditorium
Spring Musical Review, 8 p.m., Room 112 Kern.

Sunday, May 15
University Chapel service, 11 a.m., Eisenhower Chapel. Rev. George G. Hill. East Avenue Methodist Church, Norwalk, Conn.
Penn State Wind Ensemble Pop's Concert, 3:30 p.m., Arts Courtyard
Brent Wissick, cello, 8:30 p.m., Music Bldg. recital hall
Spring Musical Review, 8 p.m., Room 112 Kern

Week of May 16

Monday, May 16
Claremont Woodwind Quintet, 8:30 p.m. Music Bldg. recital hall.
Department of Psychology Institute for the Arts & Humanistic Studies Conference on Cognition and the Symbolic Processes, through May 19, Keller
Color Slide Club meeting, 7:30 p.m., Room 112 Kern
Materials Research Laboratory Lecture, 8 p.m., Room 112 Kern

Tuesday, May 17
College of Agriculture faculty meeting, 4 p.m., Room 301 Ag. Admin. Bldg.

Wednesday, May 18
Sports. Men's baseball, vs. Delaware, 3 p.m.
Spring term classes end 9:55 p.m.
Rebecca McKee, violin, 8:30 p.m., Music Bldg. recital hall
Last day for signing spring term emergency loans at 108 Shields.
G.S.A. Commonsplace Theatre, "Citizen Kane," 7:30 and 9:30 p.m. Room 112 Kern.

Thursday, May 19
Final examinations.

Friday, May 20
Sports. Men's track, Penn State Open.
Final examinations.

Saturday, May 21
Final examinations.

Week of May 23

Monday, May 23
Final examinations
Contemporary Encaustic final exams

Tuesday, May 24
Fixed date for meetings involving Commonwealth Campus faculty.
Continuing Education final exams

Thursday, May 26
Board of Trustees meeting, Room 401 Keller Bldg.

Friday, May 27
Board of Trustees meeting, Room 401 Keller Bldg.

Saturday, May 28
Commencement.

Exhibits

Zoller Gallery:
Sam Gilliam, paintings, March 13-March 27
Film Follies, March 28-March 30
Student drawing and printmaking, April 2-April 12
Invasions and History of Photography, April 15-May 1
End-of-Year student exhibition, May 4-May 12
MFA graduate exhibition, May 15-April 28

Chambers Gallery:
State College Weavers' March 11-March 31.
Jamaican Child Art, April 4-April 28

HUB Gallery:
Gallery hours are Sunday through Thursday 7 a.m. to 11 p.m., and Friday and Saturday 7 a.m. to 12:30 a.m.
Exhibition and sale of Eastern and Central African artifacts through March 25
Contemporary Printmakers of the Americas through March 25

Hammond Gallery:
Thomas Sedillo, paintings and drawings, March 19-March 27.
Leslie Zipper, Bill Hoyt, and Mike Stano, student artists, April 23-May 1.

Museum of Art:
Museum of Art hours are noon-5 p.m. Tuesday through Sunday
The Material Dimension (some current artists and their media), through March 27
Recent Works by James Stephenson, through March 20
Ancient Glass — Classical, Sassanian, and Islamic, through April 17.
Abstract paintings and prints from the permanent collection. March 20-May 15.
Growing Forms by Philip Grausman, Sculptor April 17-June 12.

Sculpture by Philip Grausman

Kem Commons Gallery:
Wednesday Afternoon, photographs, through March 27
Susan Darrin, batik, through March 20
Faces on Nutmeg, books, through March 13
Rotogravure prints of the depression years, March 20-April 16
Margot Johnstone and Jean Jidding, rugs and weavings April 2-April 23
Sylvia Rogers, patchwork quilts, April 2-April 23
Gloria Joseph photography, April 16-April 30
Sharon Siebert, photography, April 23-May 7
Eleanore Zigler, oils, April 30-May 21.
Robert Bent, raku pottery, April 23-May 7.
C.I.U., scholastic exhibit May 21-June 5.

Pattee Gallery:
An exhibit on the Black Experience in the USA, Main Lobby, through March 25
An exhibit from the Arts Library, Main Lobby, March 26-April 16

Silversmithing by the Art Ed advanced crafts class and Mutilated Books, Main Lobby, April 19-May 16
Bruce Johnson, drawings and prints, East Corridor Gallery, through April 4
Jim Mastelli, drawings, East Corridor Gallery, April 5-May 2
Contemporary French photography, East Corridor Gallery, May 3-May 20
Photographs from the Historic Rugmaster Project of Centre County, East Corridor Gallery, May 23-June 27
Reproductions of paintings of famous Black artists, Lending Services Lobby, through March 25
Mike Lucas, drawings, Lending Services Lobby, March 26-April 25.
W. Zdarkowski, photography, Lending Services Lobby, April 26-May 23
Herman Low, photography, Lending Services Lobby, May 24-June 20.

Arts Roundup

Gilliam exhibits paintings

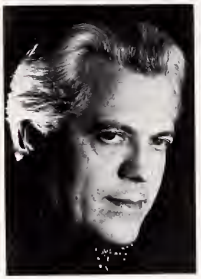
An exhibition of paintings by the noted Washington, D.C., artist, Sam Gilliam, will open Sunday, March 13, in the Zoller Gallery and continue through March 27.

A reception for Mr. Gilliam, who served during February as a visiting professor of art at Penn State, will be held in the gallery from 3 to 5 p.m.

The exhibition, which will be open from 8 a.m. to 5 p.m. Mondays through Fridays, and noon until 5 p.m. Saturdays and Sundays, is brought to the University by the Paul Robeson Cultural Center and the Department of Art.

Mr. Gilliam, whose professional training spanned the 1950s at the University of Louisville, has had widespread influence through his introduction of unsupported canvas in his works. He has been described as one of the few painters since Jackson Pollock and Hans Hofmann to confront the challenges and take the nsks of truly spontaneous and improvisational techniques.

He is noted for his paintings of enormous physical scale. The most recent and largest example of these paintings, involving several hundred feet of painted canvas in a six-part work, was "Seahorses," commissioned for the exterior walls of two adjacent wings of the Philadelphia Museum of Art.



Karl Munchinger

Stuttgart to play

Under the direction of their distinguished founder, Karl Munchinger, the Stuttgart Chamber Orchestra will present a concert at 8:30 p.m. on Saturday, March 19, in University Auditorium as part of the Artists Series.

The program will include Concerto Grosso, Opus 6, No. 6 in G minor by Handel; Concerto Grosso, Opus 3, no. 11 in D minor by Vivaldi; Old Airs and Dances, Set III by Respighu; String Sextet from the opera *Capriccio* by R. Strauss; and Vanations on a Theme of Frank Bridge, Opus 10 by Britten.

Tickets will go on sale at 9 p.m. on Tuesday, March 15, at the HUB Booth.

Artists Series films

Two Artist Senes-sponsored films will be shown next week. The Hitchcock Tuesday series continues with *Sabotage* at 8 p.m. on March 15 in University Auditorium. The film stars Sylvia Sidney. The Wednesday Truffaut retrospective offers *Stolen Kisses*, which will be screened at 8 p.m. on March 16 in University Auditorium. In this film the hero of *400 Blows* reaches adolescence, and the film details his chaotic adventures in Paris. Tickets for both performances are on sale at the door beginning at 7:15 p.m. — $1 to nonstudents, 50 cents to students



Lotus-bud beaker is from the Classical Period, First Century.

Ancient glass exhibit

An exhibit of ancient glass will continue on display until Sunday, April 17, in the Museum of Art. The glass objects are from the collection of the Jerome Strauss and the Ruth Bryan Strauss Memorial Foundation. They represent three periods in ancient glassblowing — Classical, Sassanian and Islamic.

Objects representing the Classical period are from the First to Fourth Centunes. The second group of objects are from an area east of the classical Mediterranean world of Persia, where the Sassanian dynasty took over control in the early Third Century. The Islamic objects were produced from the Seventh through Fourteenth Centuries.

'Shenandoah' is March 17

The Artist Series reminds ticket holders to *Shenandoah* that the Tony Award-winning musical will be presented at 8:30 p.m. on Thursday, March 17, in University Auditorium. The performance is sold out; however, there will be an exchange board at the HUB booth, and persons wishing to sell or buy tickets may list their names there.

Photo exhibit in Kern

"Wednesday Afternoon" is the title of a photographic exhibit culled from prints made by students last term in the advanced photojournalism class taught by associate professor Edward Leos. The photographs will be on exhibit through March 27.

WPSX Highlights

The realities of rural slums in the Lower Rio Grande Valley are examined on **Americana** Friday, March 11, at 9:30 p.m. Subtitled "A Thirst in the Garden," the program documents the plight of some of America's poorest people, who live in one of the most productive agricultural areas of the nation.

Ways that consumers can ensure themselves a balanced nutrition provide the focus for **FoodSenSe,** an hour-long Penn State Television special to be seen Sunday, March 13, at 7 p.m. The program explores nutritional labeling, alternatives to meat, fats and carbohydrates, vitamins and obesity and dieting.

Stephen Sondheim joins composer-conductor Andre Previn on **Previn and the Pittsburgh** Sunday, March 13, at 8 p.m.

Renata Scotto and Maralin Niska are among the soloists when public television presents the first live telecast of Puccini's *La Boheme* from the Metropolitan Opera House at Lincoln Center Tuesday, March 15, at 8 p. m. The Metropolitan Opera production also features Luciano Pavarotti and Ingvar Wizell, with Thomas Schippers conducting.

The recent controversy over the safety of gene engineering is examined on **Nova** Wednesday, March 16, at 8 p.m.

Tom Courtenay, Ralph Richardson and Juliet Mills head the cast when **Classic Theatre: The Humanities in Drama** presents Oliver Goldsmith's *She Stoops to Conquer* Thursday, March 17, at 9 p.m.

Latin America

(Continued from page 1)

Interdisciplinary Graduate Program and the Latin American Studies Committee of the College of the Liberal Arts. It is supported, in part, by the National Endowment for the Humanities.

Mr. Rangel, author of *The Latin Americans: Why They Love/Hate the U.S.A* , will be accompanied by his wife, Sofia Imber, director general of the Museum of Contemporary Art in Caracas. She is scheduled to speak at a morning session on March 18 on the topic, "Latin American Attitudes toward U.S. Art." (The schedule of talks appears in the Spnng Term Calendar on pages 3-4.)

Other highlights of the three-day event include a dinner meeting at 6:30 p.m. on March 17 and "An Evening of Latin American Music" at 8:30 p.m. on March 18.

Dr. John D. Martz, editor of Latin American Research Review and professor of political science at the University of North Carolina, will speak at the dinner meeting. His topic will be "The Blind, the Deaf, the Lame: Ethnocentric Elitism in Latin American Studies." The dinner will be held at the Nittany Lion Inn and is open to the public at a cost of $9 per person.

The musical program, to be held in the Music Bldg. recital hall, will feature the Abrd String Quartet, Claremont Wind Quintet and Musica da Camera.

Grotowski to speak

Jerzy Grotowski, distinguished Polish theatre director, will visit the University Park Campus March 12 to 14 as a guest of the Institute for the Arts and Humanistic Studies and the Department of Theatre and Film. He will deliver a public lecture on the topic "Para-Theatrical Projects" at 8 p.m. on Sunday, March 13, in Schwab Auditorium.

Mr. Grotowski, who established the Polish Laboratory Theatre in 1959, has been hailed as one of the most important figures in avant-garde theatre today. He has described his productions as "detailed investigations of the actor-audience relationship."

Contemporary Dance concert

The Contemporary Dance Company is presenting a concert program at 8 30 p.m. on Friday and Saturday, March 18 and 19, in White Hall Dance Theatre. There will also be a 2:30 p.m. matinee on Saturday.

Works to be performed include: "The Brahms Waltzes," choreographed by Charles Weidman and reconstructed from the Labanotation score by Gail Devereaux; "Selected Poems" from "knots" by R.D. Laing, choreographed by Patricia Heigel-Tanner with music by Bruce Trinkley; "Circus," choreographed by LaRue Allen to music by George Crumb; and "Suite 1234," choreographed by Ms. Heigel-Tanner and Niles Sayres.

The Contemporary Dance Company was founded in 1973, and its co-directors are Ms. Heigel-Tanner and Ms. Devereaux, both assistant professors in dance, and Ms. Allen, of the Central Pennsylvania Dance Workshop.

The group will offer a second program of dances on March 25 and 26 at the same time periods in White Hall.



Mike Kraus of the Contemporary Dauce Company.

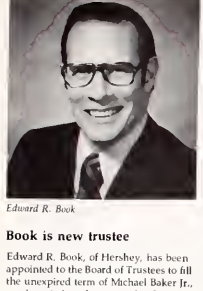
Obituary

Dr. George F. Deasy, professor emeritus of geography, died Feb. 27 at the age of 65. He had retired in 1973.

Pnor to his appointment at Penn State in 1947, he served as a geographer with the Department of the Army and with the U.S. Department of State. He also taught at the University of Cincinnati, Central Michigan College, and American University.

Dr. Deasy earned B.A. and M.S. degrees at the University of Cincinnati and a Ph. D. at Clark University. He was elected president of the Pennsylvania Academy of Science in 1962 and was a founder of the American Society of Professional Geographers. His research interests were concerned primarily with minerals and mining in Pennsylvania and the coal mining industry of the western United States.

News in Brief



Edward R. Book

Book is new trustee

Edward R. Book, of Hershey, has been appointed to the Board of Trustees to fill the unexpired term of Michael Baker Jr., an alumni-elected trustee who died on Feb. 22. Mr. Baker's term would have expired in 1979.

The appointment of Mr. Book was made by W.K. Ulerich, president of the Board, as authorized under the Corporate Bylaws of the Board.

Mr. Book is president and chairman of HERCO, Inc., known as Hershey Estates until renamed in June, 1976. HERCO is comprised of 23 divisions operating in the general areas of resort operations, horticulture and mercantile, sports and entertainment, and utilities and engineering.

Mr. Book has been very active at Penn State. In 1974 he was elected to the Alumni Council and in 1975 was appointed to the Council's Executive Board. He is currently serving as vice president of the Penn State Alumni Association and as a member of the Penn State Fund Council. A native of Harrisburg, he was graduated from Penn State in 1954 with a degree in hotel administration.

Michael Baker dead

Michael Baker Jr., a noted consulting engineer and member and past president of the Board of Trustees, died Feb. 22 at the age of 65.

Mr. Baker chose in 1976 not to be a candidate for re-election as trustee president. A member of the Board since 1964, he was elected by alumni in May 1976 to his fifth three-year term. He had been a member of the Executive Committee of the Board since 1970, served as chairman of the Committee on Finance, and had earlier been chairman of the Committee on Physical Plant. He also served on the Beaver Campus Advisory Board.

Mr. Baker was the founder, chairman of the Board, and chief executive officer of the Michael Baker Corp., Beaver, Pa., one of the world's largest consulting engineering firms. He began his career as the borough engineer for State College in 1936-38, after receiving his degree in civil engineering from Penn State in 1936.

Mr. Baker was one of the organizers of the Renaissance Fund to help educationally and economically deprived students at Penn State. He and his wife, Myrtle, were generous supporters of the Fund as well as of other scholarship programs and projects, including the Beaver Campus.

HUB Craft Centre

Faculty and staff members are invited to become members of the new Craft Centre at the Hetzel Union Bldg. and to take advantage of the wide variety of craft classes available to members.

Membership is $10 per person or $15 for a family. Additional fees are charged for classes. Registration for classes offered during the spring term will be held through March 13 at the centre, Room 312 HUB. Courses to be offered are: Beginning Loom Weaving, Beginning Macrame, Intermediate Macrame, Beginning Wheel-Thrown Pottery, Intermediate Wheel-Thrown Pottery, Basketry, Stained Glass, Leather Craft, Candle Making, Hand-Built Pottery, and Batik

University offers art classes

Thirteen courses are being offered in the spring program of the Saturday Morning Art School, which is under the direction of Dr. Robert W. Ott and Chester Perkowski of the Division of Art and Music Education. Classes run from March 19 to May 14.

Three courses are offered for children ages five to seven: Creative Arts for the Young (ages 5-6); Arts and Crafts, and Drawing and Painting experiences for 6-7 year olds. For children 8-12 there are four course offerings: The Arts in Action, Arts and Crafts, Exploring Sculpture, and Drawing and Painting. Studio workshops in a variety of art areas are available for teenage students, including Printmaking, Jewelry, Weaving, Pottery, Photography, and Drawing and Painting.

Registration for courses may be made Monday through Friday from 1 to 5 p.m. ONLY by contacting Holly Ping, secretary of the division, at 865-5601 or at Room 270 Chambers Bldg.

Bikes for sale

The Department of University Safety has turned over 121 unclaimed bicycles to University Salvage and Surplus for sale on Wednesday, March 16. The sale of the 87 men's and 34 women's bicycles will begin at noon.

"Limitations of Science" colloquy

Dr. Donald W. Shriver Jr., president of Union Theological Seminary in New York City, and Dr. Rustum Roy, professor of the solid state and director of the University's Materials Research Laboratory, will be the speakers for a luncheon colloquy on the topic, "The Limitations of Science," on Sunday, March 13.

The program will begin with a luncheon at the Terrace Room of the Hetzel Union Building at 12:15 p.m. The discussion, to be held in Room 305 HUB, will begin at 1:15 p.m. Both the luncheon and discussion are open to the public.

Seminars

Monday, March 14

Architecture and Urban Planning, 2 p.m., Room 318 Sackett. Travis L. Price, Energy Task Force, New York, on "Passive Solar Houses. An Innovative Design for Arid Zones."

Tuesday, March 15

Analytical Chemistry, 1 p.m., Room 333 Whitmore. J.V. Devery on "Enzymes in Analytical Chemistry."

Geosciences, 4 p.m., Room 26 Mineral Sciences. John C. Maxwell, University of Texas at Austin, on "The Tectonic and Sedimentologic History of the North Coast Ranges, California."

Thursday, March 17

Chemistry, 12:45 p.m., Room 333 Whitmore. Lawrence F. Dahl, University of Wisconsin, on "Recent Advances in the Stereochemistry of Organometallic Complexes."

Physics, 3:50 p.m., Room 117 Osmond. Dan R. Grischkowski, IBM Watson Research Laboratories, on "Coherent Two-Photon Effects in Atoms."

Staff Vacancies

Staff vacancies in this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in INTERCOM may be found in the Penn State REPORTER. All University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 [network line 475-1387]. Applications for these staff vacancies will be received until 5 p.m., **Feb. 17, 1977. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

STAFF ASSISTANT, CONTINUING EDUCATION — University Park. Responsible to the Head of Planning Studies in Continuing Education for assisting in survey planning, logistics, mechanics, data reduction and analyses; conducting literature reviews, preparation and writing of technical reports and proposals, maintaining project liaison with external agencies. Knowledge of survey and evaluation of research techniques, computer applications and report writing are essential. A bachelor's degree or equivalent in physical or social science, plus one or two years of directly related experience is required.

OPERATIONS AUDITOR — Hershey. Responsible to Associate Hospital Director/Director Fiscal Services for the operations auditing activities of the hospital to include an independent appraisal of planning (short- and long-range) operational controls, organizational structure, staffing and productivity, policies, procedures, accounting and other records, reports and standards of performance for every hospital department. A bachelor's degree in business administration or its equivalent, plus three to five years of experience in management and auditing activities, preferably in health care facility.

SENIOR SYSTEMS PROGRAMMER, MANAGEMENT SERVICES — University Park. Responsibility for telecommunication systems. Systems presently used are CICS/VS, IMS/VS DB-DC, and TSO. Also provide future direction in TCAM, VTAM, NCP. Responsibilities will include system generation, maintenance, modifications, performance and configuration evaluations. Will also assist in directing the work program for systems programmers. Bachelor's degree or equivalent, plus two to four years of directly related experience of which one to two years should be at the Systems Programmer level supporting telecommunications. Advanced knowledge of telecommunication software concepts and techniques, understanding how the operating system interfaces with telecommunications, and high level of capability for independently solving software problems desired.

Senate

(Continued from page 1)

averages in any baccalaureate degree program.

An amendment to return the proposal back to committee for further study was defeated by the Senate as was another that called for terminating the program after five years and denying admission to students not having these basic skills. Also defeated was an amendment calling for comparative results, grouped by high school, of basic skills testing of recently admitted students to be prepared annually and made available to school administrators.

Among other things the experimental remedial program provides for:

Writing: All students entering baccalaureate or associate degree programs will be tested on their basic writing skills; those failing to demonstrate adequate preparation for college-level writing must attempt to remove the deficiency as soon as possible and must remove it within three terms after admission to degree candidacy. The deficiency can be removed by either passing English 11 or by passing an examination agreed by the Department of English to be equivalent to the final examination in English 11. Failure to remove such deficiency will result in the student being dropped from degree candidacy.

Mathematics: All students entering baccalaureate or associate degree programs who are not exempted on the basis of pre-admission experiences will be tested on their basic arithmetic skills. Students who fail must remove the deficiencies within three terms after admission to degree candidacy by passing an equivalent examination. Failure to do so will result in the student being dropped from degree candidacy.

Reading: All students entering baccalaureate or associate degree programs will be tested for reading skills. Results of such tests will be communicated to the student and the student's adviser. On an experimental basis and as resources permit, students manifesting reading difficulties should be tested further, counseled, and assisted in improving their reading through programs supervised by the Developmental and Remedial Reading faculty. Participation in reading improvement programs will be voluntary.

Under the program, the Senate will appoint a special committee to monitor and work with the administration in implementing the policies.

John Cahir, commission chairman, said the program does not set a specific date of implementation, noting that some aspects could be done quickly while others will take longer to implement.

PLRB decision

(Continued from page 1)

issue, and, like the University and PSUPA, agreed that all the faculty at Hershey should be either included or excluded and not be split, according to G. Edward Philips, president of the University Park AAUP and professor of accounting.

"There are 83 basic science faculty and 164 clinical science faculty at Hershey," Dr. Philips said. "The clinical faculty are almost all M.D.s and the basic science faculty are largely Ph.D.s. The exclusion of the College of Medicine is based on the fact that the clinical faculty are primarily doctors and tend to identify with the medical rather than the teaching profession.

"The AAUP argued that Hershey should be excluded," Dr. Philips continued, "because most of the faculty there are doctors and their salaries are much higher than those of other faculty. We felt that the medical faculty do not have sufficient community of interest with the rest of the faculty to justify their inclusion in the regular bargaining unit, and the board agreed."

Peter B. Meyer, associate professor of economic planning at the University, issued the following comment for PSUPA:

"Basically, the exclusion was expected, based on the precedence of unit determination at Temple University and the University of Pittsburgh. We look forward to the faculty at Hershey forming their own collective bargaining unit."

A member of the Penn State Independent Faculty, Dr. Roy C. Buck, professor of sociology, commented:

"In excluding the faculty of the College of Medicine from the voting unit, the PLRB announced its power to define the character and composition of Penn State's faculty. Such power is an assault on the very nature of the scholarly enterprise and academic freedom.

"When the board's decision is embraced by advocates of faculty unionization, one cannot but conclude their professional and intellectual myopia. A cursory knowledge of the cooperative research, instruction and public service work engaged in by the College of Medicine and other Colleges and Campuses is more than sufficient to nullify the board's quixotic action. Yet the board's ruling for now appears to be final.

"The University faculty has been dealt a cheap shot. In the name of equity, an outside and non-academic agency rules to divide the faculty in order that a part of it may fit trade union norms. This is not the path of academic freedom nor of meritorious mission."

March 17, 1977 Volume 6, Number 7

Penn State Intercom

Two Senate committees seek input

The University Faculty Senate has appointed an 11-member committee to review Baccalaureate Degree Requirements in effect for undergraduate programs.

The review is designed to determine whether the requirements are satisfactory in their present form or whether some changes should be made.

Dr. Thomas D. Larson, professor of civil engineering and former chairman of the Senate Committee on Curricular Affairs, will serve as committee chairman.

Members are Wilma R. Ebbitt, professor of English; Joseph C. Flay, associate professor of philosophy; Carole Franklin, music librarian; Mervin J. Hostetler, associate professor of engineering at the Altoona Campus; Stuart H. Mann, associate professor of operations research; Marjorie E. Pyle, undergraduate student senator; Jacquelne L. Schoch, assistant director of resident instruction at the DuBois Campus; George Shoffstall, assistant director for continuing education in the College of Science; Karl G. Stoedefalke, associate dean of academic affairs, College of Health, Physical Education and Recreation; and William E. Toombs, assistant director of the Center for the Study of Higher Education.

The Senate also has appointed a Committee to Review Legislation on Experimental Courses, with Richard A Keppeler, associate professor of agricultural engineering, as chairman.

Members are Louis J. Dellaport, associate professor of architecture; Ronald W. Dietz, associate professor of biology at the Schuylkill Campus; Arthur O. Lewis, associate dean, College of the Liberal Arts; and Jacqueline G. Wells, associate director of academic affairs at McKeesport Campus.

Both committees are eager to have input from faculty at all campuses to help them in their reviews. Persons who would like to comment may contact any member of the committees.

President fights for appropriation

President John W. Oswald appeared before the Senate Appropriation Committee on March 9 urging that the State legislature increase Penn State's 1977-1978 appropriation beyond the amount recommended by Gov. Shapp.

"While Committee Chairman Henry Cianfrani stressed the quality of Penn State and the sound operation of the institution, he also stressed the difficulties of finding resources for next year's budget. He did encourage us during the hearing to pursue our efforts to increase Penn State's appropriation," Dr. Oswald noted. "We will do everything we possibly can to increase the appropriation to a level equitable with other institutions and programs funded by the State."

Last Wednesday (March 16), after INTERCOM had gone to press, Dr. Oswald and other key administrators appeared before the House Appropriation Committee in their continuing efforts to increase Penn State's appropriation beyond the 3 percent increase recommended by Gov. Shapp.

In his Senate appearance, Dr. Oswald emphasized in the strongest terms possible that Penn State is a "very fundamental resource to the State and that it has needs that are very basic."

The President said that nearly 80 percent of the University's appropriation request is the result of inflation. "We are plagued with the same costs as everyone else," he continued, "including the absolute necessity for equitable salary increases, together with increases in social security, and hospitalization and retirement benefits."

Because Penn State has the highest enrollment of any institution in the State, Dr. Oswald continued, "there is a feeling that the University should be better able to absorb these escalating costs. However, this is not the case.

"In 1976-77," Dr. Oswald argued, "Penn State among all institutions of higher education in the State had the lowest appropriation on a per capita or full-time student basis. I think this is not only a further justification of our need but also evidence of success in our efforts to operate efficiently."

Calling the area of tuition "very troublesome," the President told the Senators that since 1970 the State appropriation had increased by 40 percent while revenues from tuition had increased by 64 percent.

"There has been a shifting of the cost to where our best estimate now is that it costs $2,200 to educate an undergraduate student at Penn State, and 52 percent of that cost is paid by the student, 48 percent by the State."

Turning to The Milton S. Hershey Medical Center, the President said that tuition there has been raised to $3,000 a year in-State and $5,000 for out-of-state students. He warned that this situation was working against the often stated legislative desires and Penn State's efforts to induce students to enter primary care specialties and to practice in underserved rural and inner-city areas. Tuition may grow to the point where we will attract only the more affluent students who may be less likely to serve rural and inner-city areas. Students who are forced to accept a growing burden of debt may be more likely to opt for higher paying specialties.

"In view of the tremendous resource that Penn State is to the Commonwealth," Dr. Oswald said, "I am sure that when the final appropriation is settled, the inequities in the Governor's budget will be corrected."

News in Brief

Sales Store has large inventory

The Sales Store at Salvage and Surplus is open each Friday from 9 a.m. to 3:30 p.m. for all personnel of the University as well as the general public.

On sale are overstuffed chairs, beds, typewriters, calculators, rugs, kitchen utensils, storage cabinets, medicine cabinets, architectural tables, light fixtures, a few fleet automobiles and numerous other items. Everything is available on a first-come, as is, cash only basis

The Sales Store is located between Business Services Bldg. and the Air National Guard Unit north of the flower gardens.

AAUW needs books

The State College branch of the American Association of University Women is seeking donations of used books for their 16th annual used book sale to be held at the Wesley Foundation April 18-22. Proceeds from the sale are donated to educational foundations. Books may be left at the rear entrance to the Schlow Library or donors may call 237-1347 to arrange for a pick up of four or more boxes.

Choirs seek members

The Penn State Choirs are seeking at least 100 new members for spring term to help perform the Berlioz *Requiem* on campus with the Penn State Symphony Orchestra.

According to choir director Raymond Brown and assistant director Tommie Irwin, the choir needs at least 30 new tenors, 20 basses, 20 contraltos and an unlimited number of new sopranos. The choir is open to undergraduate and graduate students, staff and faculty members and their spouses.

Information about the choirs and auditions is available by calling the choir office in Eisenhower Chapel at 865-6548

PANET raising phone costs

The new Pennsylvania Network (PANET or "dial 7") lines recently installed at Penn State give the University community the capability to dial calls nationwide as well as within Pennsylvania — but at a price

The State, which administers the network, previously charged a flat rate for the number of access lines the University employed, so it really did not matter how many individual calls were placed. Now

(Continued on page 2)

"Black Experience" programs arranged

A series of art exhibits, a conference on the Afro-American family, and a concert by the folk musician, Odetta, will be held during March at the University as part of a month-long recognition of "The Black Experience."

"We hope these events will give people a sensitivity to the accomplishments and abilities, artistic and otherwise, of blacks in America," says Elmore M. Browne, director of the Paul Robeson Cultural Center. On deck are:

— A symposium, "The Afro-American Family in the 20th Century: Implications for Education" on March 16-17.

— An exhibit of paintings by Washington, D.C., artist, Sam Gilliam, on display through March 27 in the Zoller Gallery.

— An exhibit of portraits by Philadelphia artist, Tom McKinney, continuing through March 25 in the Hetzel Union Bldg.

— A concert by the folksinger, Odetta, at 8 p.m. on March 26 in University Auditorium

— A University exhibition, "The Black Experience," about prominent black athletes and artists, continuing through March 25. At University Park, there are displays at Pattee Library, the Hetzel Union Bldg., the Paul Robeson Cultural Center, White Bldg., the Visual Arts Bldg. and the lobby of Fenske Laboratory. Exhibits also are on display at libraries and other areas of the University's Commonwealth Campuses.

Organizations sponsoring the family symposium, concert and art exhibits include the Black Studies Program, the Paul Robeson Cultural Center, the Office of Religious Affairs, the Forum on Black Affairs, the Department of Individual and Family Studies in the College of Human Development, and the Department of Art



Artist Tom McKinney and his portrait of Paul Robeson now on display at HUB. Painting was commissioned by Paul Robeson Cultural Center.

PENN STATE COLLECTION

Faculty Notes

Dr. John M. Samuels Jr., assistant professor of industrial engineering, has been selected as one of 30 engineering professors in the United States to receive the 1977 Ralph R. Teetor Educational Award of the Society of Automotive Engineers. The award recognizes young professors for their contributions in fields related to the design and manufacture of transportation related equipment. Dr. Samuels teaches courses in the manufacturing engineering area.

Dr. Alfred Traverse, professor of palynology, was elected president of the International Commission for Palynology (ICP) at the Fourth International Conference on Palynology held recently at Lucknow, India. He will hold office until the hifth international conference in 1981.

Dr. John H. Pazur, professor of biochemistry, recently pre sented a lecture at the Department of Biochemistry at Jefferson Medical College. The lecture was titled "Anti-Glycosyl Anbbodies for Tumor and Microbial Antigens."

An article on the right of privacy by **Donald L. Smith,** associate professor of journalism, has been reprinted in the revised second edition of *Mass Media and the Supreme Court* The book, published by Hastings House, is a collection of articles and cases on mass communication law edited by Kenneth S. Devol, chairman of the journalism department at California State University at Northridge. Prof. Smith's article, entitled "Privacy: the Right That Failed," originally appeared in the Columbia Journalism Review.

Dr. Gerd M. Rosenblatt, professor of chemistry, has been named chairman of the Argonne Universities Association review committee for the chemical engineering program at Argonne National Laboratory (ANL) for 1977. He will also serve on the program committee and as session chairman for ANL's spring conference on high temperature science related to open-cycle, coal-fired MHD systems.

Dr. James Deploey, assistant professor of biology at York Campus, presented a paper during the annual meeting of the American Association for the Advancement of Sscence in Denver, Col., last month. Entitled, "Extracellular Enzymes Produced by Thermophilic Fungi," the paper summanzed the results of research carried out by Dr. Deploey and **Dr. Peter R. Adams,** associate professor of chemistry at the Campus.

Dr. E-tu Zen Sun, professor of Chinese history and chairman of East Asian Studies, spoke on "Tradition and Change in Modern China" at a national seminar on modern China sponsored in Winter Park, Fla., last week by the Alumnae/Alumni of Vassar College. Dr. Sun also participated in two panels at the conference

Bookshelf

Physics with Applications in Life Sciences, a non-calculus physics textbook by **Dr. G.K. Strother**, professor of biophysics, has been published by Houghton Mifflin Co. of Boston. Requiring only familiarity with algebra, trigonometry and geometry, the textbook covers physics concepts from mechanics through special relativity. Examples and problems include about 60 percent from traditional and engineering situations and 40 percent from applications of physics to living systems

Dr. William Gudelunas, assistant professor of history at the Schuylkill Campus, is co-author of a new book, *Before the Molly Maguires: The Emergence of the Ethno-Religous Factor in the Politics of the Lower Anthracite Region*.

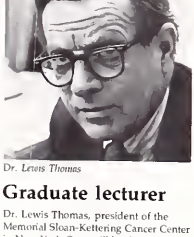
The book, published by Arnco Press, asserts that ethno-religious loyalties superseded economic issues in determining political loyalties in Pennsylvania's Schuylkill County during the period between 1844-1870. This finding challenges many traditional notions concerning motivational factors in American politics and has implications that extend beyond the anthracite region of Pennsylvania, according to Dr. Gudelunas and his co-author, Dr. William Shade of Lehigh University.

Dr. Thomas F. Magner, associate dean of the College of the Liberal Arts and professor of Slavic languages, is the author of a book recently published by Slavica Publishers, Inc., of Cambridge, Mass. It is entitled *Slavic Linguistics and Language Teaching*.

Obituaries

Alfred O. Rasmussen, who retired in 1966 as professor emeritus of ornamental horticulture extension, died March 4 at the age of 74. A Penn State alumnus with a B S in horticulture, which he obtained in 1924, Mr. Rasmussen joined the University staff in 1930. Active in all phases of ornamental horticulture, he made many contributions to the Pennsylvania nursery industry. He helped develop the "More Beautiful Pennsylvania" movement in 1932 and was a past president of the National Extension Specialists in Horticulture Association.

Eugene G. Ifft, a county agricultural agent in the College of Agriculture from 1921 to 1958, died March 1 at the age of 79.



Dr. Lewis Thomas

Graduate lecturer

Dr. Lewis Thomas, president of the Memorial Sloan-Kettering Cancer Center in New York City, will be the Graduate Council Lecture Series speaker on Tuesday, March 22.

Dr. Thomas, whose book, *The Lives of a Cell*, won a National Book Award, will discuss "On the Self in Biology" at 8 p.m. in Room 112 Kern Graduate Bldg. His talk is jointly sponsored by the Graduate School Council and the College of Human Development

Dr. Thomas received his medical degree from Harvard. He has taught at the Johns Hopkins University Medical School, Tulane University School of Medicine and the University of Minnesota Medical School. In 1954, he established a department of pathology at New York University, where he was also dean of the School of Medicine.

He became chairman of the Pathology Department at Yale University in 1969 and later dean of Yale's School of Medicine, and in 1973 moved to Memorial Sloan-Kettering. He serves as a member of the Board of Overseers, Harvard University, and Rockefeller University Board of Trustees.

Funding Sources

For further information, call 865-1372

(262-1) NEH Fellowships for Independent Study and Research. Scholars, teachers and other interpreters of the humanities are eligible; degree candidates are ineligible. Application deadline is June 1. (Ref NEH announcement)

(262-2) Proposals for translation into English of major works in foreign languages are invited by the National Endowment for the Humanities (NEH) Annotated translations contributing to understanding historical and intellectual values of other cultures are to be made available The first deadline is April 1. (Ref. NEH Guidelines announcement)

(261-3) The Ford and the Rockefeller Foundations jointly announce the seventh year of a **research program on population and development policy** Studies will be funded in: determinants of demographic behavior, consequences of population trends, policy process, and policy impact. **Graduate students may apply** The proposal deadline is July 1. (Ref ibid)

(262-1) NSF Science Resources Studies Analytical Awards Grants for analysis of scientific and technical personnel data. Funding of S&T activities, and related activities utilizing SRS data bases will range from $15 to $30K May 15 is the next deadline (Ref. C&U Rept. No. 614)

(262-2) The National Endowment for the Arts (NEA) has three program deadlines in May **Arts Critics Fellowships** (May 1), **Academic and Professional Research** in design (May 6), and **Public Education and Awareness** on design issues (May 6) (Ref. OFP Deadlines)

(262-3) The National Endowment for the Humanities (NEH) has two program deadlines in May **Research Tools** for humanistic research (May 2) and **Editing Projects** for reference books (May 2). Ref. OFP Deadlines)

News in brief

(Continued from page 1)

the State is charging for every minute of usage on the network As a result, Telephone Services expects that the cost per call may double in Pennsylvania — they have no experience against which to measure the effect on calls placed outside the Commonwealth.

Telephone Services has some pointers which may help to reduce the costs for PANET service, savings that might ultimately be passed back to the University's departments, which are billed a flat rate per month for access to a PANET line.

Do not wait on the line if the party called is busy, Telephone Services counsels. Under the present system, it costs less to call back than to hold. Keeping calls as brief as possible is essential under the new system, and, of course, no personal calls. Telephone Services also points out that when placing local calls or calls to an 800 number, the caller does not dial "7."

License plates and parking stickers needed

New Pennsylvania license plates are needed for passenger vehicles in order to receive new parking bumper stickers. Both the new license plates and the new bumper stickers must be displayed by April 1, and the State is not expected to extend that deadline

To facilitate the anticipated last month rush, the Pennsylvania Department of Transportation offices in Harnsburg are issuing new license plates daily over the counter, with extended hours to 6 p.m. on Thursdays. It has taken from five to seven weeks for most new plates to arrive via the recommended mail-in procedure.

New bumper stickers will be issued by College and department parking representatives as soon as the new license numbers are provided. The new stickers may be affixed either on top of the old stickers or in place of them; however, only the new stickers should be displayed on the bumpers of the vehicle.

Urban centers open

Penn State now has offices in the heart of the State's two largest urban areas to provide College and Campus information to prospective students

The Penn State Community Center in Philadelphia opened this month at 401 N. Broad St., Room 228. A similar Community Center opened last fall in Pittsburgh at 100 Penn Circle West.

Named as coordinator of the new Philadelphia center is Joeyl E. Jones, former recruiter for the University's Black Scholars Program. Coordinator of the Pittsburgh center is Edward Whitaker, former coordinator of the Equal Opportunity Program at the McKeesport Campus.

Both the Philadelphia and Pittsburgh centers have conference rooms and auxiliary offices for business use by any Penn State staff person during visits to the city. To reserve a room, contact the center coordinator.

The primary function of each center is to "facilitate recruitment and admission of regularly admissable black students," according to Thelma T. Price, special assistant to the President. "However, the overall purpose of the centers is to serve any student interested in Penn State."

The Philadelphia center's local number is (215) 925-6857. The network number for Philadelphia is 238-6649. The Pittsburgh center's numbers are (412) 361-4442 and 361-4443. The Pittsburgh network number is 645-5441.

On April 6-7, the Pittsburgh center will hold an open house from 9 a.m. to 4:30 p.m.

Both centers have been established as the result of recommendations of the President's Task Force on Increasing Black Student Enrollment.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387) Applications for these staff vacancies will be accepted until 5 p.m., **Mar. 24, 1977. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

STAFF PHARMACIST — Hershey Responsible to Assistant Manager or Pharmacy Supervisor to perform pharmaceutical function of in-patient and out-patient dispensing, intravenous admixture and hyperalimentation preparation, extemporaneous compounding, providing drug information to physicians, students, nurses and patients Maintain in-patient and out-patient drug profiles Enforce Formulary regulation and maintain required pharmaceutical record and inventory levels Bachelor of science in pharmacy plus one to two years related experience. Pennsylvania registration in pharmacy or eligibility required.

NUCLEAR EDUCATION SPECIALIST (RADIOISOTOPE LAB.), COLLEGE OF ENGINEERING — University Park Responsible to the Head, Department of Nuclear Engineering, for presenting various nuclear science and radioisotope programs to secondary school students, teachers and other interested groups throughout the Commonwealth A bachelor's degree in related physical sciences, plus one to two years of directly related experience is required Candidate must have a valid Pennsylvania teacher's certificate.

Department of Public Information and Relations
Room 312 Old Main
University Park, Pa. 16802
Telephone: (814) 865-7517

INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Application to mail at second-class postage rates is pending at State College, Pa. 16801

University Park Calendar

March 17 — 27

Special events

Thursday, March 17

Latin America — U.S. Conference. Dinner meeting, John D. Martz, University of North Carolina, on "The Blind, the Deaf, the Lame: Ethnocentric Elitism in Latin American Studies," 6:30 p.m., Nittany Lion Inn

Religious Affairs Lecture. Dr. Harold E. Cheatham on "Afro-American Family — 20th Century," 7:30 p.m., Room 112 Kern.

Artists Series, *Shenandoah*, 8:30 p.m., University Auditorium.

Friday, March 18

Latin America — U.S. Conference. Room 402 Keller. 9:30 a.m., Panel on the Arts. Juan A. Orrego-Salas, Indiana University, on "Music of the Americas: Viewpoints and Attitudes;" and Sofia Imber, Museum of Contemporary Art, Caracas, on "Latin American Attitudes Toward U.S. Art." 2:30 p.m., Panel on Technology Transfer and Development. Homero Parra, National Institute for Education Cooperation, Caracas, on "Technology Transfer, Human Resources, and Economic Development;" and Robert J. Radway, Council of the Americas, on "The Practical Aspects of Negotiating a Technology Transfer Agreement between a Multinational Corporation and a Latin American Government."

White Water film festival, 7:30 p.m., Room 112 Kern.

Contemporary Dance Company in Concert, 8:30 p.m., White dance theatre

An Evening of Latin American Music. Compositions by four Latin American composers with introductory remarks by Juan A. Orrego-Salas, 8:30 p.m., Music Bldg. recital hall

Board of Trustees meeting, Hershey.

Last date to register with foreign language departments (other than French and Spanish) for written language exams.

Saturday, March 19

White Water workshop, 9 a.m., Kern.

Sports: Women's fencing, Sectional and State Championships, 9 a.m.; intercollegiate synchronized swimming meet, 1-7 p.m., Natatorium; hockey, vs. Navy, 7:30 p.m.

P.S.O.C. Hiking Division, backpack near Woolnich, through Sunday



"Union Grove Picnic" by David Becker on exhibit in HUB Gallery show, Contemporary Printmakers of the Americas.

Artists Series, Stuttgart Chamber Orchestra, 8:30 p.m., University Auditorium.

Contemporary Dance Company in Concert, 2:30 p.m., and 8:30 p.m., White dance theatre

Board of Trustees meeting, Hershey

Sunday, March 20

University Chapel service, 11 a.m., Eisenhower Chapel. Dancers, directed by Patricia Heigel-Tanner, University Chapel Choir, readings by Robert Boyer and Charles Coleman

Shavers Creek Nature Center family program. Tapping maple trees for syrup or candy, 1-3 p.m., Forestry Camp, Stone Valley.

Sports: Hockey, vs. New Jersey Jr. Gladiators, 7:30 p.m.

Monday, March 21

Shakespeare film, *A Midsummer Nights Dream*, 6:30 p.m., Room 101 Chambers. Free admission.

Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Association of Environmental Engineering Professors Lecture. Dr. C. F. Forster, Wessex Water Authority, Bristol, England, on "Sludge Surfaces, Bio-Flocculation and Sludge Settling," 7:30 p.m., Room 26 Mineral Sciences.

Add deadline.

Last date for May graduates to pay theses fees at Bursar's office and to activate diploma cards in Registrar's office.

Tuesday, March 22

Comp. Lit. Luncheon. Charles W. Mann, on "Art Deco and the Classical Style: The Rockefeller Center Photography of Wendell MacRae," 12:15 p.m., Faculty Club.

Shakespeare film, *A Midsummer Nights Dream*, 6:30 p.m., Room 101 Chambers. Free admission.

Graduate Council Committee Lecture. Dr. Lewis Thomas, Memorial Sloan-Kettering Cancer Center, on "On the Self in Biology," 8 p.m., Room 112 Kern.

Fixed date for meetings involving Commonwealth Campus faculty.

Wednesday, March 23

Thomas C. Graham, Jones and Laughlin Steel, on "Economics of Imports," 7:30 p.m., Room 101 Chambers.

G.S.A. Commonsplace Theatre, "Torn Curtain," 7:30 and 9:30 p.m., Room 112 Kern.

Christeen Dole, French horn, 8:30 p.m., Music Bldg. recital hall.

Thursday, March 24

Faculty Women's Club spring luncheon, 11:30 a.m., HUB north lounge and ballroom.

Wildlife Society Lecture. Peter Duncan, Joint Legislative Conservation Committee, Commonwealth of Pennsylvania, 7:30 p.m., Room 301 Ag. Admin. Bldg.

Art History Lecture. Henri Dorra, UC — Santa Barbara, on "Marsh's Dream of Love and Death," 8 p.m., Room 26 Mineral Sciences.

Artists Series, Julie Harris in *The Belle of Amherst*, 8:30 p.m., University Auditorium.

Friday, March 25

International Seminar on Therapeutic Ice Skating, 12:30-3:0 p.m., Keller

Contemporary Dance Company in Concert, 8:30 p.m., White dance theatre.

International Council film, 8 p.m., Room 112 Kern.

Saturday, March 26

International Seminar on Therapeutic Ice Skating, all day, beginning at 9 a.m., Keller

Children's Craft workshop, 9:30 a.m., Kern lobby.

Sports: Women's fencing, vs. Brooklyn, Cornell, 9 a.m., hockey, vs. Duquesne, 7:30 p.m.

Artists Series, Guarneri String Quartet, 8:30 p.m., Schwab.

Contemporary Dance Company in Concert, 2:30 and 8:30 p.m., White dance theatre.

Odetta Concert, 8:30 p.m., University Auditorium.

Sunday March 27

P.S.O.C. Hiking Division, trail clear on R. B. Winter extension with free picnic supper, 9 a.m.; HUB parking lot

University Chapel service, 11 a.m., Eisenhower Chapel. Dr. Anderson Clark, Affiliate Artists, Inc., N.Y.

Sports: Men's tennis, vs. West Chester, 11 a.m.; hockey, North East Dodge Senior A, 7:30 p.m.

Musica da Camera Tour Benefit Concert, 7:30 p.m., Museum of Art.

Seminars

Friday March 18

Statistics, Kumar Jogdeo, University of Illinois, on "Association and Probability Inequalities," 4 p.m., Room 260 Willard.

Monday, March 21

Plant Pathology, Larry Madden on "Systems from Robinson's 'Plant Pathosystems'," 9:45 a.m., Room 213 Buckhout.

Architecture and Urban Planning, Thomas R. Calloway, Office of Int'l Affairs, HUD, on "House Design Considerations in Arid Zones," 2 p.m., Room 318 Sackett

Medieval Studies, John W. Baldwin, Johns Hopkins University, on "Recent Scholarship in French Social and Cultural History for the Late Twelfth and Early Thirteenth Centuries," 2:20 p.m., Room 103 Carnegie.

Computation Center, "RJE (1)" — suggested for users of research accounts, 8 p.m., Room 108 Forum.

Tuesday, March 22

Analytical Chemistry, R. N. Abernathy on "Analytical Microwave Spectrometry," 1 p.m., Room 333 Whitmore

History, John W. Baldwin, Johns Hopkins University, on "French History Begins with Philip Augustus (1180-1223)," 1:30 p.m., Room 225 HUB

College of Human Development, Dr. Lewis Thomas, Memorial Sloan-Kettenng Cancer Center, 2 p.m., Room S131 Henderson

Geosciences, Duncan Sibley, Michigan State University, on "Chemical Mass Balance of the Earth's Crust," 4 p.m., Room 301 Mineral Industries

Thursday, March 24

Ceramic Science, M. R. Notis, Lehigh University, on "Joint Modelling of Creep and Hot-Pressing," 11 a.m., Room 301 Mineral Industries.

Anthropology, Robert L. Trivers, Harvard University, on "The Logic of Female Choice," 3:30 p.m., Room 101 Kern.

Physics/Biochemistry and Biophysics, Hans Frauenfelder, University of Illinois, on "Physics of Biomolecules," 3:50 p.m., Room 117 Osmond

Pennsylvania Transportation Institute, George Schoener, District of Columbia Department of Transportation, on "Traffic Engineering Aspects of Transportation Systems Management," 3:55 p.m., Room 111 Boucke.

Computer Science, Dennis Severance, University of Minnesota, on "The Determination of Efficient Record Segmentations and Blocking Factors for Shared Data Files," 4 p.m., Room 325 Whitmore.

Philosophy, Marjorie Karp on "Order and Intellect in Spinoza's 'Ethics'," 4 p.m., Room 173 Willard.

Computation Center, "RJE (2)" — for users of research accounts, 7:30 p.m., Room 108 Forum.

Meteorology, Steven Perry on "Experimental Verification of a Proposed Theory of Horizontal Coherence Decay, 4 p.m., Room 26 Mineral Science.



Photo from "Wednesday Afternoon" exhibit in Kern Commons Gallery.

Exhibits

Chambers Gallery: State College Weavers, The Edged Tool — a collection of contemporary knives, tools, and weapons

Hammond Gallery: Thomas Scullin, paintings and drawings.

HUB Gallery: Exhibition and sale of Eastern and Central African artifacts; Contemporary Printmakers of the Americas, both through March 25.

Kern Commons Gallery: "Wednesday Afternoon," photographs; Susan Darran, batik, through March 20; rotogravure prints of the depression years, begins March 20.

Museum of Art: The Material Dominant (some current artists and their media); Recent Works by James Stephenson, through March 20; Ancient Glass — Classical, Sassanian, and Islamic; abstract paintings and prints from the permanent collection, begins March 20.

Pattee Gallery: An exhibit on "The Black Experience in the USA," Main Lobby, through March 25; Bruce Johnson, drawings and prints, East Corridor Gallery; reproductions of paintings of famous black artists, Lending Services Lobby, through March 25; Mike Lucas, drawings, Lending Services Lobby, begins March 26

Zoller Gallery: Sam Gillam, paintings

212A Arts Building: Group photography, arranged by CEPA Gallery of Buffalo, N.Y., through March 25

Information for the Faculty Union Election

Dates

Wednesday and Thursday, March 30 and 31

Ballot Options

The three ballot options will appear thus:

PSUPA (PSEA/NEA)
Pennsylvania State University Professional Association

AAUP

NO REPRESENTATIVE

Eligible Voters

The voting unit defined by the PLRB includes professorial, research, and librarian rank academic personnel on standing appointments and fixed-term Appointments (temporary) with benefits. Also eligible are part-time academic personnel who over the four most recent terms taught (a) nine or more course credits for each of two consecutive terms or (b) 19 or more course credits over any three terms. To be eligible, faculty members must also have been on the University payroll as of Dec. 31, 1976.

Election Sites and Hours

Scheduled polling sites have been based on campus and/or office (building) location. A roster of eligible voters has been developed for each polling site. If for some reason a faculty member cannot vote at the recommended site, provision has been made for voting at any official polling site. All such ballots will be challenged and counted only when the PLRB has verified that the voter has not voted at any other location. For faculty members needing to drive to central campus from outlying areas, parking places in the southwest corner of the University Auditorium parking lot have been reserved for short-term parking while faculty members are in the auditorium voting.

The definition of the appropriate voting unit and a complete roster of all eligible voters and their recommended polling sites have been attached to copies of the PLRB's Order and Notice of Election. Copies of this order are contained in the Collective Bargaining Information Center in Pattee Library and in the libraries of the Campuses. Copies are also posted in the Director's Office at each Campus and at several locations throughout each College at University Park. Faculty members should inquire at their respective Dean's Office to determine where these lists are available within the College. At each election site on election day, every voter must provide some form of identification to representatives of the PLRB conducting the election and provide a signature next to his or her name on the polling roster.

Anyone having questions regarding the election, e.g., eligibility to vote, where to vote, or the times for voting, should call 865-3531 (University Park) or 800-252-3814 (campuses).

University Park — Hours: 9 a.m — 6 p.m.

Kern Graduate Building, Room 101
The Kern Building polling site is election headquarters for PLRB officials conducting the election. The roster of eligible voters includes faculty whose primary offices are in the following buildings:

Arts
Biomechanics Lab
Burrowes
Business Admin.
Carpenter
Cedar
Chambers
Chapel
Keller
Kern
Liberal Arts Tower
Moore
Music
Noll
Pattee
Rackley
Sparks
Special Ed.
Sports Res
Recreation

Schwab Auditorium, Lobby
The roster of eligible voters includes faculty whose primary offices are in the following buildings:

Applied Science
Carnegie
Chandlee
Deike
Elec. Eng. East
Elec. Eng. West
Engineering Units A through E
Hammond
Human Dev.
McAllister
Mechanical Eng.
Mineral Industries
Mineral Science
Sackett
Water Tunnel
Willard

University Auditorium, Lobby
The roster of eligible voters includes faculty whose primary offices are in the following buildings:

Academic Projects
Ag. Admin
Ag. Eng
Althouse
Animal Industries
Animal Disease Lab.
Armsby
Beef & Sheep Ctr.
Borland
Breazeale Rctr.
Buckout
Centralized Bio. Lab.
Computer
Dairy Res. Ctr
Davey
Fenske
Ferguson
Forest Resource Lab.
Frear
Grange
Headhouse III
Human Devel. Res
Instructional Serv.
Intramural
Land & Water Res.
Life Sciences
Materials Res. Lab
Meats Lab.
Mushroom Res. Ctr.
Natatorium
Pesticide Lab. Ctr.
Nittany Halls
Osmond
Pasture Res. Lab.
Research Bldgs. A, B, C
Ritenour
Swine Res. Ctr.
Tyson
Univ. Auditorium
Vallamont (off campus)
Visual Arts
Wagner
Weaver
White
Whitmore
Wiley
Shields

Other Locations

Hours: 9 a.m. — 12 noon and 1:30 p.m. — 4 p.m.
Campuses
Altoona Campus, 104 Library
Beaver Campus, Music Room in Library, 102
Behrend College, Lobby, Behrend Science Bldg.
Capitol Campus, 216 Main Administration Bldg.
Delaware County Campus, Room 212L
McKeesport Campus, 117 Classroom Bldg
Ogontz Campus, 2nd Floor Lobby Area of Woodland Bldg.

Hours: 9 a.m. — 11:30 a.m. and 2 p.m. — 4 p.m.
Campuses
Berks Campus, Conference Room of the Library
DuBois Campus, Quiet Lounge of Study-Learning Center
Fayette Campus, Library Conference Room (Ground Floor)
Hazleton Campus, Lounge Area of the Commons, Student Union
Mont Alto Campus, 109 & 109A — General Studies Bldg.
New Kensington Campus, Art Gallery in Administration Bldg.
Schuylkill Campus, Faculty Lounge of Admin. Bldg. (Ground Floor)
Shenango Valley Campus, 305 Sharon Bldg.
Wilkes-Barre Campus, 105 Hayfield House
Worthington Scranton Campus, Alcove, Main Floor of Library Bldg
York Campus, Commons Area of New Bldg

Allentown Campus, 204 Fogelsville School Bldg.
Hours: 10 a.m. — 1 p.m., Wednesday, March 30 ONLY

King of Prussia Graduate Center, Room 112
Hours: 2 p.m. — 4:30 p.m., Wednesday, March 30 ONLY

Mail Ballots

Mail ballots were forwarded to those eligible faculty members when the Order and Notice of Election was issued. Faculty members receiving a mail ballot are not eligible to vote on the days of the election at one of the campus polling sites. In order to exercise their right to vote, faculty members receiving a mail ballot must vote by mail. In order for the ballot to be counted, it must be delivered to the PLRB office by 5 p.m. on March 31.

The Pennsylvania Labor Relations Board approved the use of mail ballots for faculty members in the following categories:

1) Faculty members located at various country extension and area offices.
2) Faculty members at the Elders Ridge facility.
3) Continuing education faculty members not located at one of the University Campus continuing education offices.
4) Faculty members on formal leave of absence — sabbatical and graduate study leave and leave without pay.
5) Faculty members approved by the PLRB as being away from campus on unavoidable "official University business." (Deadline for approval was Feb. 18.)

Election Count

When: Friday, April 1, at 1 p.m.
Where: Kern Graduate Bldg. Room 101.
By Whom: Ballots will be counted by representatives of the PLRB. Mail ballots and ballots from all other locations will be delivered to University Park to be counted. The ballot count is open to the public.
Necessary to win: Results are determined on the basis of ballots cast and not the number of eligible voters. To win the election, 50 percent of the votes cast plus one (1) is required. If no ballot option meets the requirement to win the election, a run-off election is ordered.

Run-off Election

When: If necessary, Wednesday, and Thursday, April 20 and 21.
Options: The two options in the first election to receive the highest numbers of votes cast appear on the ballot in the run-off election.
Election Sites, Hours, and Mail Ballots: Same details and procedures as for initial election.

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Penn State Intercom

From the Trustee Docket



Auditorium named for Dr. Eisenhower

University Auditorium, which is the major center for the performing arts and cultural events at University Park, has been named the Milton S. Eisenhower Auditorium. Naming of the auditorium in honor of Penn State's president from 1950 until 1956, was approved by the Trustees.

President Oswald said he was extremely pleased with the Board's action, adding, "It is most appropriate that the University Auditorium, where so many major cultural events have been held since its opening in 1974, be named for Dr. Eisenhower. In his six years as president, he did much to advance the national stature and recognition of Penn State as one of America's major universities."

The 2,600 seat auditorium, on the University Park campus, is used extensively for theatrical performances, concerts, lectures, convocations, and other public events.

At the dedication on May 8-11, 1974, Dr. Oswald noted that the auditorium "marks another milestone in the development of facilities at Penn State which will enrich the life of the campus community, the surrounding areas and the Commonwealth itself, now and for generations to come."

A highlight of the dedication was a series of inaugural concerts by the Pittsburgh Symphony Orchestra and the University Choirs. The Pittsburgh Symphony returned to the auditorium a year ago for the premiere of John LaMontaine's *Be Glad Then America*. Under the auspices of the Artists Series, other great orchestras, theatrical groups, and individual artists have performed in the auditorium.

Dr. Eisenhower, who now lives in Baltimore, Md., served as president of Penn State when the designation of the institution was changed from The Pennsylvania State College to The Pennsylvania State University in 1953.

Following his resignation from Penn State in 1956, he was named president of the Johns Hopkins University. He retired there in 1967, was recalled, and again retired in 1971. He had served from 1943 until 1950 as president of Kansas State University and earlier held key positions with the Federal government in the Department of State, Department of Agriculture, and Office of War Information.

Dr. Eisenhower was named an honorary alumnus of Penn State in 1976, and last year the Trustees awarded him the title of President Emeritus.



New structure to be called Eric A. Walker Bldg.

The Trustees approved the naming of the Environmental Sciences Bldg. at University Park, now nearing completion, as the Eric A. Walker Bldg. in honor of Penn State's former president.

Commenting on the Trustees' action, President Oswald noted that Dr. Walker, who had served as president from 1956-70, provided Penn State with quality leadership during one of the most significant periods of growth and development in the University's history.

"Penn State," he said, "was recognized for the excellence of its graduate and research programs during Dr. Walker's presidency when the University was admitted to the prestigious Association of American Universities. Another major accomplishment during the Walker era was the development of the Commonwealth Campus System, which has extended Penn State's educational programs into 17 communities and their surrounding areas throughout Pennsylvania."

The Eric A. Walker Building was initiated, with strong support from the Governor's Energy Council, during the years of Dr. Walker's presidency. It is located at the west entrance to University Park, north of the Applied Research Laboratory.

The six-story building, which is expected to be occupied at the beginning of fall term, will house the Geography, Meteorology and Mineral Economics departments, and administrative offices of the Earth and Mineral Sciences Experiment Station. Located on the sixth floor will be one of the country's most modern meteorology observatories and weather stations.

Dr. Walker came to Penn State in 1945 as director of the Ordnance Research Laboratory, now the Applied Research Laboratory, and as professor and head of the Department of Electrical Engineering. He was named dean of the College of Engineering in 1951 and vice-president of the University in 1956, the year he was named president. He served as president of Penn State until 1970. After retiring with the title of President Emeritus, Dr. Walker served as vice-president for science and technology, Aluminum Co. of America, until 1976. He now lives near campus, at Pennsylvania Furnace.



Michael Baker, Jr. honored

The Board of Trustees approved naming of the Engineering and Science Bldg. at the Beaver Campus in honor of the late Michael Baker, Jr.

Mr. Baker, a noted consulting engineer and member and past president of the Board, died Feb. 22.

Renaming the building as the Michael Baker, Jr. Engineering and Science Bldg. was requested by the Beaver Campus Advisory Board, of which Mr. Baker was a charter member.

In an unanimously adopted resolution, the Advisory Board cited "the priceless quality of quiet leadership" Mr. Baker provided as member and past president of the University Board of Trustees. It also noted "his keen judgment, dynamic actions, and unquestioned integrity recognized by such Penn State awards as the University's Distinguished Alumnus Award and the Beaver Campus Distinguished Service Award."

President Oswald, commenting at the time of Mr. Baker's death, said Mr. Baker, "a dedicated, able and wise Trustee, served with great competence as president of the Board of Trustees at Penn State from 1973 to 1976.

"Mr. Baker also was very generous, not only with his time and talents, but with his resources," Dr. Oswald added. "He and his wife, Myrtle, have been generous supporters of University scholarship programs and projects, including the Beaver Campus."

The Advisory Board is making plans to dedicate the Michael Baker, Jr. Engineering and Science Bldg. at the Campus's commencement ceremonies in May. The building was one of three constructed in 1967 in the first phase of Beaver's long-range development plan at Monaca.

Final stadium plans okayed

Final plans for the addition to Beaver Stadium were approved by the Trustees, who authorized University officers to obtain bids and award contracts for the project.

Target date for completion of the $4,930,000 project, which would increase the stadium size from 60, 203 to 76,017, is the 1978 football season.

The Trustees' action was taken to be responsive to increased public and student demand for tickets to the University's home football games. Tickets for the six home games at Beaver Stadium were sold out last year. No new season tickets to Penn State football games will be

(Continued on page 6)

News in Brief

Physical plant needs are being studied

Physical plant needs which have been uncovered as a result of undergraduate program review were among the topics considered at a recent meeting of the University's Physical Facilities Planning and Review Commission.

The group, which was appointed by President Oswald on Jan. 7, has already met four times and is gathering data to help it prepare a proposal for a revised program for long-range physical facilities development and modifications. The proposal will be by campus and by fiscal year, from 1977-78 through 1986-87.

Facilities problems which have come to light as the result of graduate program review and that conducted for inter- and intra-college research programs are also being studied by the 10-member commission.

An overview of the physical facilities at all Penn State campuses, including operation costs, was presented to the group by Office of Physical Plant personnel. They also briefed the commission on the wide variety of State and Federal standards with which the University must comply.

Currently, the commission is hearing reports from the deans of each of the ten colleges at University Park on their facilities' needs. Presentations have been made for the Colleges of Engineering; Earth and Mineral Sciences; and Health, Physical Education and Recreation.

The commission, which is chaired by Dr. Stanley O. Ikenberry, senior vice-president for University development and relations, plans to meet twice monthly throughout spring term.

New parking decals due on your car April 1

Faculty and staff members at University Park are reminded that new parking bumper stickers must be displayed by April 1. If you haven't received information from your College or department about the new bumper stickers, please contact the University Parking Coordinator at 865-1412.

The issuance of new parking stickers is being coordinated with the issuance of new license plates by the State of Pennsylvania. The new license plate number is needed to receive the new bumper stickers. Pennsylvania registered trucks will not receive new license plates until October 1977. However, all trucks and out-of-state licensed vehicles are required to be registered with present license numbers and to display the new bumper stickers by April 1.

Inter-cultural workshop

All persons interested in inter-cultural friendships are invited to participate in a workshop sponsored by the Community International Hospitality Council from 9:30 a.m. to 4 p.m. on Saturday, March 26, in Room 101 Kern Graduate Bldg. A $2 registration fee includes the cost of lunch. Panel and small group discussions, films and similation games are planned to help foster friendships with internationals living in the University community.

(Continued on page 6)

PENN STATE COLLECTION

Faculty Notes



Dr. Howard B. Palmer, professor of energy science, has been named associate dean of the Graduate School, effective March 1. His main responsibility will be in the review of graduate degree programs.

An honors graduate of Carnegie Institute of Technology in 1948 with a B.S. in chemistry, Dr. Palmer received his Ph.D. from the University of Wisconsin in 1952, with a major in physical chemistry. He joined the Penn State faculty in 1955 as assistant professor of fuel technology after three years of teaching and research at Brown University. In 1959, he was named head of the Department of Fuel Technology, continuing in this post until 1965. He became professor of fuel science in 1966, served as chairman of the fuel science section of the Department of Material Sciences from 1969 through 1976, and was named professor of energy science as of the beginning of this year. He will continue in this capacity on a part-time basis.

Dr. Palmer's research interests include flames and combustion processes, kinetics of fast gaseous reactions, carbon formation and carbon vaporization, mechanisms and yields in chemiluminescent gaseous reactions, and solar gas turbines for power production. He has directed the research of more than 30 graduate students and postdoctoral scholars and has published more than 100 papers or book chapters. He has recently edited and co-authored a book on modern developments in combustion technology, and has served since 1972 as U.S. editor of Combustion and Flame, the journal of the Combustion Institute.

Dr. Irwin Feller, program manager of the Center for the Study of Science Policy, Institute for Research on Human Resources, and professor of economics, presented a paper, "Uncertainty and Risk in the Adoption of Technological Innovations by Public Sector Organizations," at the annual meeting of the Public Choice Society in New Orleans, March 11-13. He also joined with **Drs. Robert Herrmann,** professor of agricultural economics, **Teh-wei Hu,** professor of economics, and **John Sink,** professor of meat science, in presenting interim findings on their study of regulation of the ground beef industry at a Research Conference sponsored by the National Science Foundation on the Economic and Legal Aspects of Applying Cost-Benefit Analysis to the Assessment of Regulation of Selected Commodities in Washington, D.C., on March 14-15.

Helmut J. Golatz, professor and head of the Department of Labor Studies, and Charles Craypo, associate professor of labor studies, presented papers at the Southwest Labor Studies Conference held recently at Anzona State University. Prof. Golatz spoke on "Labor Studies — If the Shoe Fits" and Dr. Craypo on "Telegraphers, the NLRB, and Collective Bargaining."

Dr. Frank F. Aplan, professor of metalurgy and mineral processing and chairman of the mineral processing section in the Department of Material Sciences, and **Dr. Peter M. Lavin,** associate professor of geophysics, have received the 1977 Matthew J. and Anne C. Wilson Outstanding Teaching Awards of the College of Earth and Mineral Sciences. This is the ninth year that these awards, which consist of $1,000 and a plaque, have been presented. Recipients are selected by the dean of the College from nominations and petitions submitted by students.

Dr. Aplan earned his B.S. at the South Dakota School of Mines and Technology, his M.S. at the Montana School of Mines, and his Sc.D. at Massachusetts Institute of Technology, and was awarded the degree of Mineral Engineer (honoris causa) by Montana College of Mineral Science and Technology. He joined the Penn State faculty in 1968. Dr. Aplan teaches courses in materials science, metallurgy, and mineral processing on both graduate and undergraduate levels.

Dr. Lavin received his B.S.E. in geological engineering from Princeton University and his Ph.D. in geophysics at Penn State in 1962, when he was named assistant professor. He has served as faculty associate to the Earth and Mineral Sciences Interest House for the past two years. Among the courses he currently teaches are geophysical well logging, geophysical surveying, analysis of time series, gravity and magnetics, seismic methods, and seismic reflection interpretation.

Dr. Budugur Lakshminarayana, professor of aerospace engineering, has been named third place winner in the Henry R. Worthington North American Technical Awards competition for his paper entitled "Fluid Dynamic Analysis of Rocket Pump Inducers."

Richard H. Fulmer, assistant professor of criminal justice at the Berks Campus, has written an article in the March/April issue of the Quarterly, the journal of the Pennsylvania Association of Probation, Parole and Corrections. It is titled "The Justice Game — On Police, Prison Guards and Probation-Parole."

Dr. Gordon F. DeJong, professor of sociology, spoke at the annual meeting of the American Association for the Advancement of Science, held recently in Denver, Col. Dr. DeJong reported the results of a study of Americans' choice of place of residence. The study was prompted by Census Bureau figures which show that from 1970 to 1973 population growth in non-metropolitan areas was 4.2 percent, as opposed to 2.7 percent in metropolitan areas.

Dr. Joseph J. Villafranca, assistant professor of chemistry, recently gave a series of invited lectures. His current research with *E. coli* glutamine synthetase at the Southwest Medical Center, Dallas, Texas; The Molecular Biology Institute, UCLA, the Department of Chemistry, UC-Riverside; the Laboratory of Biochemistry, NIH, Bethesda, Md.; and in Philadelphia at the Department of Biochemistry and Biophysics, University of Pennsylvana, and the Institute for Cancer Research.

Linda J. Ivanits, assistant professor of Slavic languages, is the author of a chapter in *Russian and Slavic Literature*, recently published by Slavica Publishers, Inc., of Cambridge, Mass.

Dr. Marshall H. Kaplan, associate professor of aerospace engineering, presented a paper, "Nuclear Powered Satellite Design for Shuttle Launches," at a recent Conference on The Future of Aerospace Power Systems, sponsored by the American Institute of Aeronautics and Astronautics in St. Louis, Mo.

C. Herbert Wheeler, Jr., professor of architectural engineering, has been selected by the General Services Administration in Washington, D.C., to serve as a member of the 1977 Regional Public Advisory Panel on Architectural and Engineering Services for Region 3, which has the responsibility for the District of Columbia and the states of Maryland, Pennsylvania, Virginia, West Virginia and Delaware. The principal function of the panel is to advise as to the competence and capacity of firms expressing an interest in performing design and engineering work for individual Federal Building Projects.

Dr. Luis F. Gonzales-Cruz, associate professor of Spanish at New Kensington, gave a lecture entitled, "Tentativa del hombre infinito: clave para la comprensión de la obra de Pablo Neruda" at The Catholic University of America recently. He also organized and chaired a session dealing with Jorge Luis Borges and Brazilian science fiction at the Fifth Annual Conference on Twentieth Century Literature held at the University of Louisville on Feb. 24-25.

The head of the ROTC program at Behrend College, **Harry C. Small Jr.,** has been promoted to the rank of major in the U.S. Army. Major Small, who is an assistant professor of military science, has served in the Army for 13 years.

Dr. John C. Johnson, director of the Applied Research Laboratory, and **Dr. Jiri Tichy,** chairman of the Graduate Program in Acoustics, presented a paper, "Acoustics Education in the U.S.A.," at the International Conference on Noise Control Engineering held at the Technical University of Zurich in Switzerland, March 1-3.

Dr. J. Cordell Hatch, professor of agricultural communications, spoke on "Communications and Managment" last month at a Washington, D.C., conference sponsored by the Kellogg Foundation, National 4-H Council and Cooperative Extension.

Dr. Robert Zelis, chief of cardiology at Hershey, recently served as a visiting professor at the University of Buffalo School of Medicine where he delivered the Arthur C. Schaefer Memorial Lecture at Millard Fillmore Hospital.

Dr. Charles L. Newman, professor of law enforcement and corrections, was named a Fellow of the Western Society of Criminology at that organization's meeting in Las Vegas, Nev.

R. Thomas Berner, assistant professor of journalism, recently participated in a three-person panel discussion on "Attracting Readership Through Quality Writing." The panel was part of a seminar sponsored by the Pennsylvania Society of Newspaper Editors.

Leaves of Absence

Robert W. Farwell, associate professor of engineering research, to work with Dr. R. R. Goodman of the Naval Ocean Research and Development Activity in Bay St. Louis, Miss., on underwater acoustics.

Joseph M. Lambert, associate professor of mathematics at Berks, to do research and teach upper division courses at the University of Tennessee. He will also conduct research at Texas A & M.

Felix Lee Lukezic, professor of plant pathology, to study techniques necessary to identify bacteria associated with plant disease at UC-Berkeley.

John A. Macaluso, assistant professor of engineering research, to study handling of buoyant bodies under conditions of low turbulent inflow environment at the Hydraulics Laboratory of the University of Minnesota, and to hold a teaching appointment at that school.

Momcilo Miljkovic, associate professor of biological chemistry at Hershey, to work with Dr. O. Jeger at the Swiss Federal Institute of Technology, Laboratory for Organic Chemistry, in Zurich, Switzerland, to study stereoselective synthesis of natural products; and to write a book entitled *Protection of Functional Groups in Organic Synthesis.*

Richard C. Nelson, professor of physical education, appointed by the Japan Society for the Promotion of Science to serve as a visiting professor at the University of Nagoya, Japan, to conduct research in biomechanics and to revise his text, *Biomechanics of Sports.*

Merrill E. Noble, professor and head of psychology, to complete experiments on the development of theories of human information processing at the Institute of Perception TNO in The Netherlands and at the Applied Psychology Unit in Cambridge, England.

Richard J. Santen, associate professor of medicine at Hershey, to work in the laboratory of Dr. Paul Franchimont at the University of Liege, Belgium, to carry out studies on tumor antigens.

J. Lowen Shearer, professor of mechanical engineering, to do research on complex servohydraulic systems at the Technical University in Aachen, West Germany.

James S. Ultman, associate professor of chemical engineering, has accepted a Fulbright-Hays lecturehip to teach and perform research on biomedical engineering topics in the Wolfson Department of Chemical Engineering at the Israel Institute of Technology.

Hiram L. Wiest, associate professor of family and community medicine at Hershey, to accept invitation for a year's fellowship at the University of Manchester, England

Obituary

Dr. James Kollias, associate professor of applied physiology, died March 10. He was 45. Dr. Kollias joined the faculty in 1968. He had obtained B.S. and M.S. degrees from the University in 1953 and 1956, respectively, and earned a Ph.D. at Indiana University Medical Center in 1962. Before coming to Penn State, he was a research associate at Indiana University and an assistant professor of biology at Oklahoma City University. The author of numerous publications, Dr. Kollias's primary areas of professional interest were in respiratory physiology, exercise physiology, altitude physiology, temperature regulation and circulatory physiology.

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Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

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University Park Calendar

March 24 — April 3

Special events

Thursday, March 24
Wildlife Society Lecture, Peter Duncan, Joint Legislative Conservation Committee, Commonwealth of Pennsylvania, 7:30 p.m., Room 301 Ag. Admin. Bldg.
Art History Lecture. Henri Dorra, University of California at Santa Barbara, on "Munch's Dream of Love and Death," 8 p.m., Room 26 Mineral Sciences.
Artists Series. Julie Harris in "The Belle of Amherst," 8:30 p.m., University Auditorium.
Experimental Theatre Company, "in tight shoes," 8:30 p.m., HUB ballroom

Friday, March 25
International Seminar on Therapeutic Ice Skating, 12:30-10 p.m., Keller.



International Council film, 8 p.m., Room 112 Kern.
Contemporary Dance Company in Concert, 8:30 p.m., White dance theatre.
Experimental Theatre Company, "in tight shoes," 8:30 p.m., HUB ballroom.

Saturday, March 26
Sports: Women's fencing, vs Brooklyn, Cornell, 9 a.m., hockey, vs. Duquesne, 7:30 p.m.
International Seminar on Therapeutic Ice Skating, all day beginning at 9 a.m., Keller
Children's craft workshop, 9:30 a.m.-4 p.m., Kern lobby
Community International Hospitality Council workshop, 9:30 a.m.-4 p.m., Room 101 Kern.
Contemporary Dance Company in Concert, 2:30 and 8:30 p.m., White dance theatre
Ddetta Concert, 8 p.m., University Auditorium.
Artists Series, Guarneri String Quartet, 8:30 p.m., Schwab.
Experimental Theatre Company, "in tight shoes," 8:30 p.m., HUB ballroom

Sunday, March 27
P.S.O.C. Hiking Division, trail clear on R B Winter extension with free picnic supper, 9 a.m., HUB parking lot
University Chapel service, 11 a.m., Eisenhower Chapel. Dr. Anderson Clark, Affiliate Artists, Inc., New York.
Sports: Men's tennis, vs. West Chester, 11 a.m.; hockey, North East Dodge Senior A, 7:30 p.m.
Musica da Camera Tour Benefit Concert, 7:30 p.m., Museum of Art.
Experimental Theatre Company, "in tight shoes," 8:30 p.m., HUB ballroom.

Monday, March 28
Pass-fail date.
Intramural Sports. Tennis doubles sing. ehm for graduate student and faculty-staff division, entry open; entry close, March 31.
A.P.P.M.E. Lecture. David Ricci, Hebrew University, on "Prospects for War and Peace in the Middle East," 8 p.m., Room 101 Kern.
Claremont Woodwind Quintet, assisted by Steven Smith, piano, world premere of a work by John Beall, 8:30 p.m., Music Bldg recital hall.

Tuesday, March 29
Pass-fail date.
Comp.Lit Luncheon, 12:15 Faculty Club
Charles W. Mann, on "Art Deco and the Classical Style The Rockefeller Center Photography of Wendell MacRae."

Wednesday, March 30
PLRB Faculty Union Elections, 9 a.m.-6 p.m., Kern; Schwab and University Auditoriums.
Course repeat deadline
Drop deadline (21 day).
Pass-fail date.
Pre-registration deadline (summer term).
Sports Men's baseball, vs. Lehigh, 3 p.m
G.S.A. Commonspace Theatre, "Notorious," 7:30 and 9:30 p.m., Room 112 Kern
Department of Architecture Lecture Robert Kner on "The Loss of Urban Space in 20th Century Architecture," 7:30 p.m., Room 108 Forum
African Studies Forum. Harry A Reed, Michigan State University, on "Early African Political Activity in Western Kenya," 8 p.m., Robeson Cultural Center.

Thursday, March 31
PLRB Faculty Union Elections, 9 a.m.-6 p.m., Kern; Schwab and University Auditoriums.
Sports: Women's tennis, vs. Madison, 2:30 p.m.

Friday, April 1
Sports. North Amencan Soccer League, 7 p.m., Jeffrey Field.
J. Hills Miller, Yale University, on "Theology and Logology in 19th and 20th Century Poetry: Stevens, Hopkins, and Wordsworth," 8 p.m., Keller auditorium
Un-Common Dinner Theatre preview, "Just Around the Corner," 8 p.m., Room 112 Kern
Artists Series, Gregg Smith Singers, 8:30 p.m., Schwab.
Overda Page, flute, 8:30 p.m., Music Bldg recital hall.

Saturday, April 2
Last date for May graduates to deliver doctoral theses to committee.
P.S.O.C. Hiking Division, backpack on Black Forest trail, through Sunday.



Annual faculty-staff-graduate student swim marathon, all day, Natatorium
Department of Philosophy First Dotterer Lecture. Jacob Klein, St John's College, Annapolis, Md., on "Speech. Its Strengths and Weaknesses," 10:30 a.m., HUB assembly room
Sports Men's volleyball, vs. East Stroudsburg, 1 p.m.; men's lacrosse, vs. Drexel, 7 p.m.
Un-Common Dinner Theatre, dinner, 6:30 p.m., play, "Just Around the Corner," 8 p.m., Rooms 102 and 112 Kern
Penn State Symphony Orchestra, 8:30 p.m., University Auditorium.

Sunday, April 3
University Chapel service, 11a.m., Eisenhower Chapel Mary Marks, Pittsburgh Theological Seminary.
Sports: Men's tennis, vs. Bloomsburg, 1 p.m.
Tim Shuey, piano, 3:30 p.m., Music Bldg recital hall.
Un-Common Dinner Theatre, dinner, 6:30 p.m., play, "Just Around the Corner," 8 p.m., Rooms 102 and 112 Kern
Liberal Arts Spring Conference Stephen K Bailey, American Council on Education, on "Directions for the Liberal Arts College in the Next Decade," 8 p.m., HUB ballroom

Seminars

Monday, March 28
Plant Pathology, Kathy M. DeLozier on "The Terminology of the Pathosystem: An Appraisal," 9:45 a.m., Room 213 Buckhout.
Architecture and Urban Planning, David Scott, Washington State University, on "Underground House and Energy Conservation," 2 p.m., Room 318 Sackett.
Computation Center, "RJE (3)," suggested for users of research accounts, 8 p.m., Room 108 Forum.
Philosophy, David Pears, Christ Church, Oxford University, on "Psycho-Physical Laws," 8 p.m., Room 251 Willard.

Tuesday, March 29
Analytical Chemistry, P.M Erickson on "Radioimmunoassay," 1 p.m., Room 333 Whitmore.
Solid Waste Management, Michael Herer, Browning-Ferris, Youngstown, Ohio, on "Is There a Solid Waste Industry?" 2:20 p.m., Room 126 Sackett.
Computer Science, Henry F. Ledgar, University of Massachusetts, on "Formal Definition and Design," 2:30 p.m., Room 325 Whitmore.
Chemical Engineering, F G. Helffench, Shell Development Co., on "Multicomponent Chromatography," 3:45 p.m., Room 140 Fenske.
Surface Science, Alexander Marker III, on "Fluxoid Pinning in Type II Superconductors," 4 p.m., Room 339 Davey.
Inorganic Chemistry, Guido Pez, Allied Chemical Co., on "Synthesis and Structure of 'Tetrocene'. (C6H6)(C6H6)Ta. Reactivity with N2, H2, and Olefins," 8 p.m., Room 333 Whitmore.

Wednesday, March 30
Fuel Science, Harold L. Lovell on "Production and Preparation of Coals for Effective Utilization," 4 p.m., Room 301 Mineral Industries.
Earth and Mineral Science Student Council, E. Willard Miller on "A Field Excursion in Western Soviet Union," 7:30 p.m., Room 26 Mineral Sciences.

Thursday, March 31
Ceramic Science, D V. Kohlstedt, Cornell University, on "High Temperature Creep of Olivine," 11 a.m., Room 301 Mineral Industries.
Chemistry. Graham Palmer, Rice University, on "Spectroscopic Studies on Cytochrome Oxidase," 12:45 p.m., Room 333 Whitmore.
Population Issues Research Office/Anthropology, Nancy Howell, University of Toronto, on "Anthropological Demography The State of the Arts" 2 p.m., Room 102 Kern
Physics, E J Winhold, Rennsselaer Polytechnic Institute, on "Threshold Photoproduction in Light Nuclei," 3:50 p.m., Room 117 Osmond.
Transportation Institute, Richard Simonetta, Capital Area Transit (Harrisburg), on "Mass Transit Management's Role in Transportation Systems Management," 3:55 p.m., Room 111 Boucke
Ecology, Simon Levin, Cornell University, on "Populations in Heterogeneous Environments," 4 p.m., Room 102 Kern.
Meteorology, Thomas T. Warner on "Mesoscale Numerical Modeling at Penn State," 4 p.m., Room 26 Mineral Sciences.
Microbiology & Cell Biology, Charles Helmstetter, Rosewell Park Memonal Institute, on "Coordination Between Chromosome Replication and Cell Division in *E. Coli*," 4 p.m., Room 52 Frear
Computation Center, "RJE (4)," suggested for users of research accounts, 7:30 p.m., Room 108 Forum.

Exhibits



"Middleboro, 1976" a collotype by Sam Gilliam, now on exhibit in Zoller Gallery

Chambers Gallery: State College Weavers; The Edged Tool, both through March 29.
Hammond Gallery: Thomas Scullin, paintings and drawings, through March 27
HUB Gallery: Eastern and Central African artifacts, posters by the Hopkins Performing Center, Dartmouth College, both through March 31.
Kern Commons Gallery: "Wednesday Afternoon," photographs, through March 27, rotogravure prints of the Depression years.
Museum of Art: The Material Dominant, through March 27, Ancient Glass — Classical, Sassanian, and Islamic, abstract paintings and prints from the permanent collection.
Pattee Galleries: An exhibit from the Arts Library, Main Lobby, opens March 28, Bruce Johnson, drawings and prints. East Corridor Gallery: Mike Lucas, drawings, Lending Services Lobby.
Zoller Gallery: Sam Gilliam, paintings, through March 27; Film Folkes, March 28-30; student drawing and printmaking, opens April 2.

Comments on student retention report

The proposals of the University Task Force on Retention and Transfer of Students in Baccalaureate Program Majors is scheduled for debate at the Senate's next meeting on April 5. Two members of the committee, Jacqueline L. Schoch and Donald H. Ford, taped the following comments on the report.

The policies and procedures that we have in 1977 affecting student admissions and student change of major within the University have grown up over the penod since World War II to serve a variety of educational objectives. And it's often useful to step back and ask what those objectives are as a means of examining the policies and procedures and their continued utility.

One of the things that occurred in the late 1940s and the early 1950s at Penn State was a very rapid growth in enrollments and a diversification of the kinds of students coming, here — all the way from very mature men and women who had been in the service for a number of years to much younger people just coming out of high school. At that time, the University was admitting students to specific majors, and it was discovered that the system as designed seemed not to be serving either students or faculty as well as was desired. Students would come into the University and enter a program they knew very little about and in which they had very little background. Then in a year's time, they would discover they were in a program that didn't match their talents or interests. But by that time their grades were so bad they had flunked out, and they had lost their opportunity to attend college.

To deal with the problems of students who were mismatched with their programs, special programs and arrangements were set up. The first institutional form this took was a unit called the Division of Intermediate Registration. But then the faculty and the administration decided that what they needed to do was take a longer look and try to design an arrangement which would recognize the nature of the pattern of educational professional development that students experience, a system which would prevent as many difficulties as possible while at the same time honoring characteristics of the diverse student body and a diverse set of programs.

Out of this grew some decisions. One of them was to develop a program for incoming students to help provide them with more information about themselves and about the University's programs. Added to this was a program for parents because it became obvious that it was difficult for 17- or 18-year-olds just out of high school to change their ideas about what they might want to do or if they were confronted with strongly cherished ideas by their parents. This was the genesis of the preregistration and counseling program which this University pioneered and which other institutions around the country have copied.

A second decision was to try to develop a more objective way of determining which, among the many applicants to the University, should be admitted. (At that time, we were overwhelmed with applicants.) Rather than putting admissions on a political or economic basis — i.e., the level of income of the family — or on some method which required a committee of faculty to read through 10,000 applicant folders, an effort was made to find a fair, objective way of deciding who should be admitted. This led to the development of a stream of research lasting over about 10 years which culminated in the creation of statistical formulas which used indices of past performance and accomplishment as predictors of future accomplishment. Thus we created an admissions pattern that was objective and, in general, fair.

It was recognized, too, as a result of a number of studies done by various people at Penn State during the period of the early '50s, that many students needed to explore their talents amidst the University's offerings to find the best kind of commitment for them. The data indicated that about half of our students were graduated in a program other than the one they had initially chosen upon entering the University. Therefore, it seemed desirable in terms of honoring normal and natural student development patterns to create an environment in which students could explore, could try out programs, could shift around — and do so with considerable ease and freedom. At the same time, students would have to be required to make decisions and choices because it's not desirable to encourage exploration, it is also undesirable to keep people free of making any commitment until they're near graduation.

In this framework, then, arrangements were developed so that instead of admitting students to a specific major among the 100 and some majors the University had, students were admitted to a College. Each College would provide a general curriculum for the first year so that its students could try out the various kinds of interests they might have in relation to the majors of their College. And by the end of the freshman year, they would be required to pick a specific major. It was assumed that each College represented a sort of building for a general category of related fields, so that if a student was interested in engineering, for example, but didn't know which kind of specific engineering, he or she would have a year after coming here to make that more refined decision.

So we ended up with a pattern in which decisions were made on an objective basis. Students were admitted to colleges as freshmen and required to pick a specific major as sophomores, thereby assisting with this development process. All students were provided an opportunity for preregistration testing and counseling along with their parents. And finally, the opportunity to shift from one major to another within the University was provided as long as students were continuing to make satisfactory academic progress as defined by Senate policies.

This arrangement worked quite well for the University, and, in fact, in my judgment, was a very important factor in increasing the attractiveness of this University to larger and larger populations of students and their parents. The knowledge that once they entered the University there was both help and flexibility was of great importance to parents and students, as I learned in my work in counseling them over a 10-year period.

What has occurred in recent years is that the University has diversified even further. We've developed new colleges or admissions that make things more complicated for us. We have adjunct students, provisional degree students, extended associate degree students, and so on, who have an affiliation with the University but who are not in the same category as our resident students who have been admitted to formal degree status. These people, too, want to enter the University, but they feel they should have some priority over other people since they have already had an affiliation with the University. So we have multiplied the diversity of the categories of people trying to enter the University, and since we can't accept all of those who apply, by any means, it is necessary to have some way of sorting out the priorities we will give to each category of applicants and the manner in which we will select those to be admitted in the total pool of applicants.

The second kind of problem which emerged was largely the result of the decline in growth of University resources. During the late '40s and the '50s and the early '60s, the University's appropnation went up significantly each year as enrollments went up so that if student enrollments increased in a particular program of the University, new money was available to allow that unit to expand its resources. So resources followed student enrollment demand and students were given flexibility to shift around within the Colleges and University program to program as they sharpened their commitments. Then the resource growth parameters became limited while the shifting around of enrollment pressures from program to program within the University continued, and a new kind of problem emerged. We began to find an occasional program where it became necessary to say we just couldn't handle any more students even though there were a lotmore who wanted to be admitted. And since there were not enough new resources coming into the University to shift to that program, there was no choice but to begin to place limitations on it.

Most of the programs in the University have not experienced a sort of building-up, but because some restrictions have been placed — sometimes for only a year or two, sometimes for a longer period of time — it introduced a new complication both for students and for advisors. That was the second category of problems that developed over the last few years.

Then a third kind of thing began to emerge Within specific programs, faculty began to impose requirements for continued retention in the program above and beyond those which were authorized by Senate policy. A faculty might feel that their program was designed to prepare students for advanced study in a professional school, and if students didn't maintain an average significantly above that required in the Senate for graduation, they had no chance of getting into a professional school. The problem that developed was that students were therefore being told they had to get out of a major, but they weren't being dismissed from the University. They were people without a home. This left some uncertainty about whether dismissals within a particular program were indeed dismissals from the University and whether there was authority in Senate policy that made this possible.

All of these symptoms resulting from the growth and diversification of the University finally accumulated to the point where both the administration and the faculty concluded that was time to review the whole situation to see what improvements might be made. And that was the charge of this task force.

After the task force reviewed the existing policies and procedures of the Senate and the Administration and how they had evolved, they came to the conclusion that they were fundamentally sound, both educationally and administratively. However, they recognized that the new conditions I've described called for some modifications of the existing system, and so the committee has proposed some possibilities for dealing with these new multiple categories of candidates to try to insure that everyone is treated fairly and that the best students possible are given an opportunity within the University, within the limits of our resources.

The committee has also proposed that when it appears to be necessary because of resource limitations for a program to restrict the flexibility of a student's opportunity that some procedure be established so that the decision can be made with concurrence by both the faculty and administrative groups involved. This information should be updated regularly and made accurately available to students and advisors

The proposals recognize that conditions may change so that for a period of time a program may be overloaded; then the enrollment winds may shift and the restrictions may not need to be retained. Therefore penodic review of all such restrictions is suggested and procedures for accomplishing this are suggested.

Finally, the committee took note of the fact that individual programs had been developing special policies of their own, supplementary to those of the University Faculty Senate, regarding retention of students in their major. The committee has suggested that the Senate has to decide whether it wishes to review all decisions concerning dismissal from a program conducted totally within the framework of Senate policy or whether it wishes to provide polocies that clearly authorize program units to add special conditions to those imposed by Senate policy. The Committee also recommends that, in either case, it will be necessary to clarify the procedures by which such decisions are made and by which people are informed so that everybody can function reasonably within that framework. Moreover, there should be some clarification of what a student's status is if programs have the authority to dismiss the student Is the student then dismussed from the University? Is some other program obligated to take such a student?

So, in summary, the report of the Commission concludes that the system as it had evolved for admission, retention and change of major of students within the University was soundly based educationally and administratively. It identified a limited number of problems that had emerged as a result of recent developments within the University which needed to be dealt with by some modification to the system. But no basic change seemed necessary in the view of this commission to meet these new conditions adequately.

Finally, the Committee recognized that many of these problems are likely to diminish over the next five to ten years as the decline in the traditional college-age population exerts the pressure for enrollment in post-secondary institutions. Therefore, the specific problems of overload and difficult problems of competition for admission into programs may be reduced as a result of decline in total demand.

Donald H. Ford
Dean, College of Human Development

Q How do you feel about the commission's report from the viewpoint of the Commonwealth Campuses?

A From the Commonwealth Campus standpoint, I'm pleased because there is strong feeling among young people at the Campuses that once they are admitted to the Campus in a Penn State program they are, in fact, Penn State students. And whether they're called provisional degree or associate degree or baccalaureate degree students doesn't matter. And the way this particular proposal reads now, transfer to another program, change of major to another program, all these kinds of things will be determined on the basis of academic critena, and academic criteria alone, not on the basis of some kind of admission label or anything such as that.

Q. Does that mean that it's not going to be first-come, first-served any longer?

A. Not the way the terms of the transfer policy as proposed read now And I think that for the students at the Commonwealth Campuses this is a tremendous step forward Because, you see, at the same time they are competing for positions at University Park, within a given program, they're competing not only with students from other campuses and students at University Park but also with students from other post-secondary institutions. Previously there was a commitment to admit students transferring from other universities, other colleges and community colleges, so the students at the Campuses have had an uphill struggle when seeking entrance to certain programs The fact that admission now will be put on an academic criteria basis will certainly make the whole thing a lot more fair for all the students.

Q. In the past, have many Commonwealth Campus students been rejected?

A Yes, they have. And unfortunately, even if you have one on a given Campus, one student who has a cumulative average of 3.0, let's say, who's been denied admission to a program, it's rother difficult to defend even if it's only one in a given academic year. And I see this as a change in the nght direction.

Q. Why are the proposals divided into two segments?

A. One section of the proposal makes some recommendations to the Senate, and the second set of recommendations is for the Provost's office The latter decribes how to implement the kinds of things the Senate would have to take care of in its legislation. The recommendations in the Senate pertain to legislative changes that would have to be made in order for this new transfer policy to be implemented. They include such things as academic criteria. I think that if we look at the proposals in the light of the recommendations in these two separate areas, it makes it much easier to read and understand. One of the first things that you will find upon checking it are the recommendations to the Senate insofar as establishing categories. Freshmen students, for instance, would be in one category. Penn State students, transfer students would be another category; and transfers to University Park from other institutions would be a third group. But we are asking for a commitment to take people who were Penn State students first, a commitment to them

You see, even the provisional degree students at most Campuses are brought to the Campus, are counseled, are given placement tests, and helped to determine what major path they eventually do want to follow upon admission to degree candidacy. All these things have helped make them feel that they are, in fact, a part of the University — Penn State University And the fact that now they would be considered in a category — in a preferential hierarchy if you will — as compared to someone who transferred from some other post-secondary institution in the State, seems a lot more fair. They are sitting in classes with other students, regular students, and taking off an admission label and looking at what they have been able to do academically certainly makes a lot more sense. When we consider that we have a minimum number of dollars to expend on programs, it would seem that we would want to spend those dollars most responsibly. Thus would indicate that we ought to take care of those students who have already shown by

(Continued on page 5)

Arts Roundup



Lorin Maazel and the Cleveland Orchestra will perform next season with the Artists Series.

Artists Series renewals to be accepted April 1

Renewals of Artists Series subscriptions for the 1977-78 season will be accepted beginning Friday, April 1, and continuing through April 22. Subscriptions for new patrons will go on sale May 3.

Offerings for next season include:

Theatre/Dance Series — Shakespeare's People with Michael Redgrave, Oct. 9; National Theatre of the Deaf, Oct. 15; My Fair Lady, Oct. 20; Pittsburgh Ballet Theatre, The Nutcracker, Dec. 2; Paul Taylor Dance Company, Feb. 17; Pennsylvania Ballet, March 12.

Music Series — The Cleveland Orchestra with Loren Maazel, Sept. 14; Vienna Choir Boys, Sept 30; The Chamber Music Society of Lincoln Center, Nov. 3; Pittsburgh Symphony Orchestra and the University Chorus in Belshazzar's Feast, Feb. 3; Goldovsky Grand Opera Theatre, La Boheme, March 16; Lynn Harrell, cellist, April 9.

Fine Arts Series — Beethoven string quartets — Vermeer Quartet, Oct. 21; Tokyo String Quartet, Jan. 6; Cleveland Quartet, April 14. Ensembles, Renaissance to the 20th Century — Orchestra Camerata of Salzburg, Jan. 12; New York Renaissance Band, Jan. 20; Speculum Musicae, April 7.

Tickets to the series will be sold in Room 203 Schwab Auditorium from 9:30 a.m. to 12:30 p.m. and from 1:30 p.m. to 3:30 p.m.

Second dance program

The Contemporary Dance Company will present a second dance program Friday and Saturday, March 25 and 26, in White Hall dance theatre. There will be performances at 8:30 p.m. on both evenings and a 2:30 p.m. matinee on Saturday.

The program includes: "Field Study," choreographed by LaRue Allen with music by Bruce Tinkley; "ZMMVIIXII (Parade)," choreographed by Patricia Heigel-Tanner with music by Erik Satie; "Sonatine," a premiere of a piece choreographed by Gail Deveraux to music by Ravel; Excerpts from "Mansions," choreographed by Ms. Deveraux to music by Burt Fenner; and "Shake, Rattle and Roll," choreographed by Ms. Allen.

Tickets for the performance are on sale at $2 for general admission in Room 105 White Bldg.

Dinner Theatre offers '30s nostalgia

Kern's Un-Common Dinner Theatre will present *Just Around the Corner*, a musical review illuminating events and personalities of the 1930s. A preview performance will be held at 8 p.m. on Thursday, March 31, in Room 112 Kern Bldg. There will be a theatre-only performance on April 1, and the dinner and theatre combination or theatre alone will be offered April 2 and 3. All performances begin at 8 p.m. Dinner, a spring picnic featuring Bar B-Q chicken, potato salad and apple or cherry pie, will be served at 6:30 p.m. in Room 102 Kern. Tickets and reservations are available at the Kern Information Desk, 865-1878.

"in tight shoes"

The Experimental Theatre Company of Penn State will present an original production, *in tight shoes*, Thursday through Sunday, March 24-27, at 8:30 p.m. in the HUB ballroom

Sponsored by the College of Arts and Architecture and the Hetzel Union Board, a cast of nine student performers will explore the physical, mental, social, actual and imaginary barriers that individuals and society are confronted with in the process of living. The cast has explored new ways of expressing these barriers, thus creating new experiences for theatre audiences.

The environment for the production is a 50' x 70' self contained space located in the HUB ballroom approximating a somewhat abstract version of a carnival, where spectators either view or participate in the festivities.

in tight shoes is directed by Dan Ronen, assistant professor of theatre arts, and the music is by Bruce Trinkley, associate professor of music, with textural contributions being made by Tim Trusty and Rick Gianiero, both theatre arts graduate students.

Tickets are available at $2 for non-students at the HUB Desk and at the door. For information call 865-2563.

Musica da Camera benefit on March 27

Musica da Camera will present the third in its series of three benefit concerts at 7:30 p.m. on Sunday, March 27, in Gallery B of the Museum of Art.

Opening the evening will be a performance of Dvorak's String Quartet in E flat, opus 51 by a graduate quartet consisting of Linda Kistler and Laura Zeilers, violinists, Rebecca McKee, violist; and Jane Duff, cellist. The Dvorak quartet will be followed by Three Madrigals for Violin and Viola by the Czech composer Bohuslav Martinu. Performing the work will be Ronald and Cynthia Arden. The program will conclude with a performance by the full Musica da Camera string orchestra of Respighi's Ancient Airs and Dances, set three.

Proceeds from this concert will go to the Musica da Camera Tour fund. The ensemble is planning to make a concert tour of Switzerland, Austria and Southern Germany in late May, and hopes to raise the necessary remaining funds for the trip through this concert and other activities during the spring term.

Tickets are available in Room 232 Music Bldg. or may be reserved by calling 865-0431.

Claremont offers premiere

The Claremont Woodwind Quintet, assisted by Steven Smith, pianist, will perform the world premiere of Sextet for Woodwind Quintet and Piano at 8:30 p.m. on Monday, March 28, in the Music Bldg. recital hall. The work, by American composer John Beall, was commissioned by the Institute for the Arts and Humanistic Studies. Dr. Beall, a member of the faculty of Eastern Illinois University, will attend the performance as a guest of the Institute

Guarneri to play March 26

The Guarneri String Quartet, the next event in the Artists Series Fine Arts Series, will appear in Schwab Auditorium at 8:30 p.m. on Saturday, March 26.

Arnold Steinhardt and John Dalley, violins; Michael Tree, viola; and David Soyer, cello, are the four members of the quartet. Mr. Steinhardt, recipient of the Leventritt Award and the winner of the Queen Elisabeth Competition in Brussels, made his debut as a soloist at the age of 14 with the Los Angeles Philharmonic.

Michael Tree is noted both as a violist and violinist. He made his debut at the age of 20 in Carnegie Hall, and his solo appearances have included the orchestras of Philadelphia, Baltimore and Los Angeles. Before joining the Guarneri Quartet, John Dalley was on the faculty of the Oberlin Conservatory and a member of the Oberlin String Quartet. David Soyer is a former member of the Bach Aria, The Guilet Quartet and the New Music String Quartet.

Their program will include Quartet in G Major, K 387 by Mozart; Quartet in A minor by Walton; and Quartet in F Major, Op. 135 by Beethoven.

Tickets are on sale at the Hub Booth from 9 a.m. to 4 p.m.



Odetta to sing March 26

Odetta, the popular folk singer, musician and actress, will appear in concert at 8 p.m. on Saturday, March 26, in Milton S. Eisenhower Auditorium.

Nationally acclaimed for her powerful renditions of work songs, spirituals and folk songs, Odetta may be best known to Penn State audiences for her role as the Muse of Liberty in the University's Bicentennial presentation, *Be Glad Then America*, which premiered at University Park last February.

Sponsored by the Paul Robeson Cultural Center and Folklore, the concert is part of a month-long series of campus events in recognition of "The Black Experience."

Tickets for the concert are available at the Hetzel Union Bldg. Information Desk and the Eisenhower Auditorium box office.



WPSX Highlights

Anthony Quinn and Richard Basehart star in Frederico Fellini's *La Strada* on **Foreign Film: Theme, Form, and Style** Saturday, March 26, at 9 p.m. The broadcast is part of a three-credit course through The Pennsylvania State University of the Air.

World War I, a 26-week documentary series covering events from 1914-1918, begins Sunday, March 27, at 7 p.m. The first episode is titled "The Summer of Sarajevo."

Using photographic techniques developed for medical research, **The National Geographic** takes viewers inside the human body on "The Incredible Machine" Tuesday, March 29, at 8 p.m.

Leading jazz historian, author and critic Martin Williams, director of the Smithsonian Institution's Division of the Performing Arts, talks about the history of jazz on **Talkabout** Wednesday, March 30, at 7:30 p.m.

How much human behavior is inherited? Do genes, rather than society, control sex roles and other aspects of social behavior? These and other questions are explored when **Nova** looks at new theories of sociobiology Wednesday, March 30, at 8 p.m. Appearing is Harvard zoologist Edward O. Wilson, who suggests that human social life can be compared to that of ants and other animals. The program also examines the social and political implications of sociobiology through an interview with Richard Lewontin, also a Harvard zoologist, who has led a vigorous attack on the new theories.

Senate comments

(Continued from page 4)

their achievements in Penn State courses that they have ability in their fields.

A. Do you feel any parts of this are going to be controversial?

A. I am sure, having sat in the Senate for a while, that there are going to be some sections that will be controversial, but I would hope that people would look at these proposals from the larger view as to what is good for the University as a whole and not just look at them from the standpoint of a department's interest or a College's interest, or just from a Commonwealth Campus interest. If you consider the total University picture, I think it's a step in the right direction.

Q. Will your proposals affect the Campuses more than University Park?

A. When we consider that two-thirds of the students begin at a Campus, there are obviously a tremendous number of Campus transfer students, but there are a significant number of students who do change from program to program once they are at University Park. But I think that, again, it's a total University problem and, therefore, I think the solution to it would benefit the total University.

Q. Do you have any other comments?

A. One of the strong points of the recommendations would be that if requirements for entrance into programs change, these requirements would be announced quite early and the information disseminated throughout the entire University, so that all students could be apprised of it through their advisors.

Jacqueline L. Schock
Assistant Director for Resident Education at DuBois

Class welcomes guests

Guests are welcome to attend class sessions of a new University Park course on Creative Contributions of Women to Western Culture. Odetta, the folksinger who is giving a concert in Eisenhower Auditorium on March 26, will meet informally with the class during third period, Monday, March 28, in Room 301 Willard Bldg. Lighting designer Tharon Musser will speak Wednesday, March 30. She has designed lighting for numerous Broadway shows, including *Charins Line* and *Long Day's Journey into Night*.

Trustee Docket

(Continued from page 1)

sold for the 1977 season. The Trustees' decision to expand the stadium was based not only on current demand but on anticipated longer range demand.

The project also provides for expanded facilities for the press and the addition of new restroom and concession facilities to help to meet the needs of the larger crowds the new seating will accommodate.

No tuition, State, or Federal funds will be used to finance the project.

Cost of the project will be met from current and future income sources available to the Department of Intercollegiate Athletics, such as gate receipts, including revenue from the newly added seats, and radio and television income.

Areas named for John Henry Frizzell and Charlet Ray

The new assembly room of the Helen Eakin Eisenhower Chapel has been named the John Henry Frizzell Memorial Room. The new north lounge of the Hetzel Union Bldg. has been designated the Charlotte Ray Memorial Lounge.

Trustees of the University approved the designations which honor the late John Henry Frizzell, University chaplain from 1928 until his retirement in 1948; first head of the Department of Speech Communication; and a member of the faculty for more than 40 years, and the late Charlotte E. Ray, dean of women for 24 years from 1922 until her retirement in 1946.

The assembly room at the chapel is an underground all-purpose room that seats 400. It was built as part of the new addition to the chapel completed last year. The new lounge of the Hetzel Union Bldg., completed in 1975, was part of a major expansion program there and occupies what had been a courtyard when the original building was completed in 1955.

Enlarged parking at New Kensington

An additional 100 parking spaces will be provided at the New Kensington Campus with the authorization by the Trustees of the project, at a cost not to exceed $75,000. Financing is to come from present and future student parking fees.

The additional spaces will bring the number of spaces on the New Kensington Campus to 625.

Funds approved for Fayette buildings

The Trustees have authorized the expenditure of $795,923 for the construction of the Maintenance and Solar Laboratory Bldg. and the Interim Recreation and Convocation Bldg. on the Fayette Campus.

The Board last July authorized $557,000 for the projects and later approved the asking of bids and awarding of contracts. The bids received exceeded the amount previously authorized, necessitating the increased amount which will be provided by the Fayette Campus Advisory Board, funds on hand, gifts and contributions committed, and gifts, donations, and contributions anticipated prior to or during the construction period.

Dr. Oswald expressed his "deep appreciation for the generosity of the Fayette County Commissioners, members of the Fayette Campus Advisory Board, and the many special friends of the Fayette Campus. Their generous support has made this project possible, and for this we at Penn State are most grateful."

The Maintenance and Solar Laboratory Facility will contain 4,000 square feet, with at least 1,500 square feet allocated in the building for a solar energy laboratory to conduct research on alternate methods of utilizing solar energy, explained Hugh M. Barclay, director of the Fayette Campus.

Noting that the Campus has no permanent recreational or convocational facilities, Mr. Barclay said the Interim Recreation and Convocation Bldg., a steel structure, will provide approximately 8,600 square feet of open space for physical education classes and recreational use and 1,800 square feet of office, storage, and restroom space

Trustees' services recognized

Resolutions recognizing the service of two former trustees were adopted by the Board.

They recognized the late Michael Baker, Jr., of Beaver, a member of the Board from 1964 until his death on Feb. 22, and president of the Board from 1973 to 1976; and the late J. Edward Holtzinger, of Altoona, who died on Jan. 23. Mr. Holtzinger had served on the Board from 1948 until 1951 and again from 1954 to 1972 and in 1972 was designated a Trustee Emeritus.

Both were graduates of the University and had been recognized as Distinguished Alumni. Both served on the Board as trustees elected by alumni.

Mr. Baker was the founder, chairman of the Board, and chief executive officer of the Michael Baker Corp., Beaver, one of the world's largest consulting engineering firms. Mr. Holtzinger was president and general manager of the Mirror Printing Co., publisher of the Altoona Mirror, Altoona, and the Pennsylvania Mirror, State College.

Physical Education Bldg. at Schuylkill Named

The multi-purpose building now nearing completion at the Schuylkill Campus has been designated the Physical Education Bldg. The State Department of General Services is constructing the building at a cost of $1,199,548, and completion is expected in May. The building will have a large gymnasium and an auxiliary gymnasium providing facilities for physical education classes and facilities for conferences, exhibits and demonstrations. It also contains a large general classroom and faculty offices.

Calibration station for sale

The calibration station of the Applied Research Laboratory, located on the edge of the lake at Black Moshannon State Park, will be sold to the highest bidder, trustees of the University have been informed. Lacking bids, it will be razed since it is no longer needed by the laboratory, and University officials have not been able to determine any alternative uses for it. Built in 1947, the station includes a wooden structure, 79 x 33 it., and a pumping station building, approximately 20 x 12 ft

Program discontinued

A graduate program in general engineering, initiated to meet a demand for technology teachers in junior colleges and technical institutes, has been discontinued. The program was conducted jointly by the College of Education and the College of Engineering and led to the master of engineering or master of education degree. Between 1965 and 1976, 84 master of engineering and 53 master of education degrees, both in general engineering, were conferred However, a decline in demand for graduates of the program, with a subsequent loss funding, led to the closing.

News in brief

(Continued from page 1)

New polymer science section

The name of the carbon and polymer science section, which was established in 1970 in the Department of Material Sciences, has been changed to the polymer science section. According to Dr. Michael M. Coleman, chairman of the section, the polymer science program has achieved sufficient stature through growth in enrollment and research to merit a separate designation.

Forum on African politics

"Early African Political Activity in Western Kenya" will be discussed at the African Studies Forum at 8 p.m. Wednesday, March 30, in the Paul Robeson Cultural Center. Guest speaker will be Dr Harry A. Reed, assistant professor of history at Michigan State University The forum, which is open to the public, is sponsored by the Black Studies Committee.

Payroll Savings Plan offered

Information on the Payroll Savings Plan for United States Savings Bonds has been mailed to all faculty and staff at the University, accompanied by a letter from President Oswald

"The Plan, which is maintained as a benefit to you, is a simple and convenient way to save," the President writes, noting that Savings Bonds now pay 6 percent interest when held to maturity of five years and offer unique tax advantages.

For persons wishing to begin a program or to increase the amount of their regular deduction, an application card is enclosed with the mailing, along with an instruction sheet

Capitol Campus telethon

Students in two Capitol Campus classes, American Impact Abroad and U.S. Diplomatic History, participated in what is believed to be the first such event at any American university — an Inauguration Day telethon. The day-long event included two-way five-to-ten-minute telephone interviews with about 25 distinguished political observers in Washington, D.C. Among those interviewed were former Peruvian President Fernando Belaunde-Terry; Henry Kellerman, former deputy chief of mission in Switzerland, and Max McCullough, former director of the U.S. National Commission for UNESCO, Department of State. About 20 interviews were taped on Jan. 20, and 10 more were scheduled for mutually convenient times. The tapes will be kept for archival use. In charge of the event was Dr. Richard Hendel, professor of international affairs.

Inn lot parking charges

University Police Services remind that only guests of the Nittany Lion Inn and the Faculty Club who have properly validated tickets may park without charge in the area adjoining the Inn and the Club Persons who are not guests of either facility or do not have a validated ticket will be charged at the rate of 80 cents per hour for parking. Overnight parking is restricted to Nittany Lion Inn guests. Others will be charged $5.

Elm trees to be sprayed

The annual spraying of American Elm trees at University Park for control of Dutch Elm disease will begin late this month or early in April, the exact date depending on the weather. Spraying is normally done when temperatures are above 40°F and wind conditions are relatively calm.

The spraying will be done between 10 p.m. and 6 a.m. and is usually completed within a two-week period under ideal conditions. The spray materials used have been approved by the Pesticides Committee in the College of Agriculture.

Any overspray which settles on a car should be removed promptly with soap (detergent) and water, since delay increases the removal problem.

Tennis Club

Applications are now being accepted for membership in the Penn State Tennis Club, which starts its outdoor season April 1. Memberships are $75 for faculty-staff, plus $25 for each additional family member. Among the advantages of PSTC membership are access to the only clay courts in the area and priority for reserving indoor courts during the winter.

New Berks address

The new mailing address for the Berks Campus is:

The Pennsylvania State University
Berks Campus
R. D. #5, Tulpehocken Road
P.O. Box 2150
Reading, Pa. 19608

Libraries issue Finding Guide

The Libraries have announced the publication of a list of series and periodicals with annotations, published conference proceedings, and a directory of research units: *Penn State Publications: A Finding Guide 1855-1975*, edited and compiled by Frances Cable and Miriam D. Pierce.

Funding Sources

For further information, call 865-1372

(263-1) The National Endowment for the Humanities has published general information and preliminary guidelines for the **Challenge Grants** program. In Challenge grants, except for Bicentennial-type projects, each dollar of NEH funds is to be matched by three of the host institution, for Bicentennial projects, a one-to-one ratio is mandated. Goals include administrative and management improvements, increased audience participation, citizen involvement, and continuing Bicentennial period observance. Upcoming deadlines are April 1, June 1, and Dec 15 (Ref. 42FR13086-99, 3/8/77)

(263-2) The National Institute of Education announces a **Program of Research Grants on Organization Processes in Education.** Small grant ($7,500) and preliminary full grant proposals are due April 15 Full proposals (invited) will be due July 15. (Ref 42FR13358-59, 3/10/77) (CFDA 13.950)

Staff Vacancies

Staff vacancies in this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in INTERCOM may be found in the Penn State REPORTER. All University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be received until 5 p.m., **Mar. 31, 1977. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

COUNSELOR — Beaver Responsible to the Dean of Student Affairs for conducting personal, educational, career and placement counseling programs. Assists with summer counseling and orientation. Assists with the work of other Student Affairs and Campus divisions as assigned by the Dean of Student Affairs Master's degree in clinical or counseling psychology, counselor education, or equivalent training, plus a minimum of two years of applicable professional experience in educational/vocational counseling or related experience.

A Special Issue

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Penn State Intercom

PLRB sets procedures for conducting faculty election

All procedures for conducting the faculty union election on Wednesday and Thursday, March 30 and 31, have been set by the Pennsylvania Labor Relations Board.

The PLRB will conduct the election. Labor Board representatives will be present at each polling site at University Park and at all other Campus polling locations. These individuals are in charge of the election and have responsibility for resolving all questions or challenges ansing during the election.

Faculty members will be required to show some form of identification before receiving a blank ballot. Examples of acceptable identification include a University Faculty-Staff Identification Card or driver's license.

Each voter will also be required to sign the Labor Board's voting list next to his or her name. In the event a faculty member must vote at a location other than the assigned polling site, eligibility will be determined on the basis of the master eligibility list issued with the Labor Board's *Order and Notice of Election*. Ballots of faculty members voting at a site other than the one assigned will be placed in "challenge" envelopes and counted only when the Board's agents verify that the faculty member did not also vote at his or her designated site.

Ballot boxes will be sealed by Labor Board representatives at the close of each election day.

The official parties to the election are the University employer, and PSUPA and AAUP, the unions seeking representation status. Election watchers for all parties are required to assist the Labor Board's representatives in a variety of duties, including identification of voters, reporting irregularities should any develop, challenging voter eligibility if necessary, and generally overseeing the conduct of the election.

All ballot boxes will be transported to University Park by Labor Board agents for the ballot count. The count, scheduled to begin on Friday, April 1, at 1 p.m. in Room 101, Kern Graduate Bldg. is expected to be completed by late afternoon, depending in part on the number of challenged ballots.

The ballots from all University locations will be counted together. No election results will be tabulated or announced by election site.

In order to win the election, one of the ballot options — No Representative, PSUPA, or AAUP — must receive a simple majority of the ballots cast. In the event no single option receives a majority of votes cast, a run-off election between the two options receiving the highest number of votes will be conducted on April 20-21.

Should a run-off be necessary, a pre-election conference will be held by the Labor Board's representatives following the ballot count on April 1. This conference will be called in order to resolve any changes in the status of faculty members eligible to vote by mail ballot in the run-off election and other relevant issues.

V O T E
Faculty Election
Wednesday and Thursday, March 30 and 31

Election Sample Ballot

An example of a portion of the official ballot as it will be provided by the Pennsylvania Labor Relations Board appears below. In addition, the ballot will state that the election is being conducted

To ascertain the exclusive representative, if any, for the purpose of collective bargaining in respect to wages, hours, and terms and conditions of employment of all the employees of Pennsylvania State University in a subdivision of the employer unit comprised of all academic personnel of the University appointed to regular positions at all University locations which shall include the titles of Professor, Associate Professor, Assistant Professor, Instructor, Librarian, Associate Librarian, Senior Assistant Librarian, Assistant Librarian, Senior Research Associate, Research Associate, Research Assistant, and Lecturers, and excluding the faculty of the College of Medicine, department chairmen, non-teaching professionals, and all first level supervisors, supervisors, management level and confidential employes as defined in the Act.

PLACE CROSS (X) MARK IN THE SQUARE OF YOUR CHOICE
MARK ONE SQUARE ONLY

PSUPA (PSEA/NEA)
Pennsylvania State University
Professional Association ☐

AAUP ☐

NO REPRESENTATIVE ☐

SAMPLE

DO NOT SIGN YOUR NAME
THIS IS A SECRET BALLOT
FOLD YOUR BALLOT AND DEPOSIT IN BALLOT BOX
IF YOU SPOIL YOUR BALLOT RETURN IT AND OBTAIN A NEW ONE

Election information update

The election information published on the back page of the March 17 edition of INTERCOM inadvertently left off three buildings in which the offices of eligible faculty voters are located: Combustion Lab, Patterson Building, and Pond Lab. The designated polling site for these buildings is the lobby of the University Auditorium. This omission is corrected on the back page of this special edition.

In addition, faculty members in the Department of Nursing voting at Hershey are scheduled to vote between 12:30 and 2:30 p.m. on Wednesday, March 30, at the entrance to Room L-303 in the Clinical Science Wing.

Vote on the first day

In the interest of a high voter turn-out, it is urged that all faculty members vote Wednesday, March 30, the first day of the faculty representation election. Faculty members unable to vote on Wednesday will have an opportunity to vote on Thursday, March 31.

It is important that every eligible faculty member vote, since the result will be binding on all.

President urges faculty to vote

President Oswald sent a letter on Friday, March 25, to all faculty members regarding the forthcoming faculty union election.

In his letter President Oswald commented on the significance of the decision whether to accept or reject a system of collective bargaining and emphasized that it is extremely important for all eligible faculty members to vote.

He noted that, "It would be unfortunate if a majority of the faculty felt one way about this issue but failed to vote and permitted the views of a minority of the faculty to prevail and be binding on all."

The election dates are Wednesday and Thursday, March 30 and 31. Complete information and details about the election are contained in this special issue.

Although faculty members on most campuses will have two days on which to vote, voting at one's earliest convenience on Wednesday may avoid failure to vote due to unanticipated schedule conflicts.

PSNN STATE COLLECTION

Information for the Faculty Union Election

Dates

Wednesday and Thursday, March 30 and 31

Ballot Options

The three ballot options will appear thus:

PSUPA (PSEA/NEA)
Pennsylvania State University Professional Association

AAUP

NO REPRESENTATIVE

Eligible Voters

The voting unit defined by the PLRB includes professorial, research, and librarian rank academic personnel on standing appointments and fixed-term I appointments (temporary) with benefits. Also eligible are part-time academic personnel who over the four most recent terms taught (a) nine or more course credits for each of two consecutive terms or (b) 19 or more course credits over any three terms. To be eligible, faculty members must also have been on the University payroll as of Dec. 31, 1976.

Election Sites and Hours

Scheduled polling sites have been based on campus and/or office (building) location. A roster of eligible voters has been developed for each polling site. If for some reason a faculty member cannot vote at the recommended site, provision has been made for voting at any official polling site. All such ballots will be challenged and counted only when the PLRB has verified that the voter has not voted at any other location. For faculty members needing to drive to central campus from outlying areas, parking places in the southwest corner of the University Auditorium parking lot have been reserved for short-term parking while faculty members are in the auditorium voting.

The definition of the appropriate voting unit and a complete roster of all eligible voters and their recommended polling sites have been attached to copies of the PLRB's Order and Notice of Election. Copies of this order are contained in the Collective Bargaining Information Center in Pattee Library and in the libraries of the Campuses. Copies are also posted in the Director's Office at each Campus and at several locations throughout each College at University Park. Faculty members should inquire at their respective Dean's Office to determine where these lists are available within the College. At each election site on election day, every voter must provide some form of identification to representatives of the PLRB conducting the election and provide a signature next to his or her name on the polling roster.

Anyone having questions regarding the election, e.g., eligibility to vote, where to vote, or the times for voting, should call 865-3531 (University Park) or 800-252-3814 (campuses).

University Park — Hours: 9 a.m — 6 p.m.

Kern Graduate Building, Room 101
The Kern Building polling site is election headquarters for PLRB officials conducting the election. The roster of eligible voters includes faculty whose primary offices are in the following buildings:

Arts
Biomechanics Lab
Burrowes
Business Admin.
Carpenter
Cedar
Chambers
Chapel
Keller
Kern
Liberal Arts Tower
Moore
Music
Noll
Pattee
Rackley
Sparks
Special Ed.
Sports Res.
Recreation

Schwab Auditorium, Lobby
The roster of eligible voters includes faculty whose primary offices are in the following buildings:

Applied Science
Carnegie
Chandlee
Deike
Elec. Eng. East
Elec. Eng. West
Engineering Units A through E
Hammond
Human Dev.
McAllister
Mechanical Eng.
Mineral Industries
Mineral Sciences
Sackett
Water Tunnel
Willard

University Auditorium, Lobby
The roster of eligible voters includes faculty whose primary offices are in the following buildings:

Academic Projects
Ag. Admin.
Ag. Eng.
Althouse
Animal Industries
Animal Disease Lab.
Armsby
Beef & Sheep Ctr.
Borland
Breazeale Rctr.
Buckout
Centralized Bio. Lab.
Combustion Lab.
Computer
Dairy Res. Ctr.
Davey
Fenske
Ferguson
Forest Resource Lab.
Frear
Grange
Headhouse III
Human Devel. Res
Instructional Serv.
Intramural
Land & Water Res.
Life Sciences
Materials Res. Lab.
Meats Lab.
Mushroom Res. Ctr.
Natatorium
Nittany Halls
Osmond
Pasture Res. Lab.
Patterson
Pesticide Lab. Ctr.
Pond
Research Bldgs. A, B, C
Ritenour
Swine Res. Ctr.
Tyson
Univ. Auditorium
Vallamont (off campus)
Visual Arts
Wagner
Weaver
White
Whitmore
Wiley
Shields

Other Locations

Hours: 9 a.m. — 12 noon and 1:30 p.m. — 4 p.m.
Campuses
Altoona Campus, 104 Library
Beaver Campus, Music Room in Library, 102
Behrend College, Lobby, Behrend Science Bldg.
Capitol Campus, 216 Main Administration Bldg.
Delaware County Campus, Room 212L
McKeesport Campus, 117 Classroom Bldg.
Ogontz Campus, 2nd Floor Lobby Area of Woodland Bldg.

Hours: 9 a.m. — 11:30 a.m. and 2 p.m. — 4 p.m.
Campuses
Berks Campus, Conference Room of the Library
DuBois Campus, Quiet Lounge of Study-Learning Center
Fayette Campus, Library Conference Room (Ground Floor)
Hazleton Campus, Lounge Area of the Commons, Student Union
Mont Alto Campus, 109 & 109A — General Studies Bldg
New Kensington Campus, Art Gallery in Administration Bldg.
Schuylkill Campus, Faculty Lounge of Admin. Bldg. (Ground Floor)
Shenango Valley Campus, 305 Sharon Bldg.
Wilkes-Barre Campus, 105 Hayfield House
Worthington Scranton Campus, Alcove, Main Floor of Library Bldg.
York Campus, Commons Area of New Bldg.

Allentown Campus, 204 Fogelsville School Bldg.
Hours: 10 a.m. — 1 p.m., Wednesday, March 30 ONLY

King of Prussia Graduate Center, Room 112
Hours: 2 p.m. — 4:30 p.m., Wednesday, March 30 ONLY

Mail Ballots

Mail ballots were forwarded to those eligible faculty members when the Order and Notice of Election was issued. Faculty members receiving a mail ballot are not eligible to vote on the days of the election at one of the campus polling sites. In order to exercise their right to vote, faculty members receiving a mail ballot must vote by mail. In order for the ballot to be counted, it must be delivered to the PLRB office by 5 p.m. on March 31.

The Pennsylvania Labor Relations Board approved the use of mail ballots for faculty members in the following categories:

1) Faculty members located at various county extension and area offices.
2) Faculty members at the Elders Ridge facility.
3) Continuing education faculty members not located at one of the University Campus continuing education offices.
4) Faculty members on formal leave of absence — sabbatical and graduate study leave and leave without pay.
5) Faculty members approved by the PLRB as being away from campus on unavoidable "official University business." (Deadline for approval was Feb. 18.)

Election Count

When: Friday, April 1, at 1 p.m.
Where: Kern Graduate Bldg. Room 101.
By Whom: Ballots will be counted by representatives of the PLRB. Mail ballots and ballots from all other locations will be delivered to University Park to be counted. The ballot count is open to the public.
Necessary to win: Results are determined on the basis of ballots cast and not the number of eligible voters. To win the election, 50 percent of the votes cast plus one (1) is required. If no ballot option meets the requirement to win the election, a run-off election is ordered.

Run-off Election

When: If necessary, Wednesday and Thursday, April 20 and 21.
Options: The two options in the first election to receive the highest numbers of votes cast appear on the ballot in the run-off election.
Election Sites, Hours, and Mail Ballots: Same details and procedures as for initial election.

March 31, 1977 Volume 6, Number 9

Penn State Intercom

Bailey to deliver keynote address to LA conference

Dr. Stephen K. Bailey, vice president of the American Council on Education, will deliver the keynote address at the Liberal Arts Spring Conference, to be held Sunday through Tuesday, April 3-5, in the Hetzel Union Building.

The conference, the first of its kind at the University, is an attempt to prepare for economic forces, changes in student aspirations, and other factors that will combine to exert new pressures on liberal arts colleges in the future.

Dr. Bailey will speak on the topic, "Directions for Liberal Education in the Next Decade," at 8 p.m. April 3. He will be introduced by President Oswald.

In addition, four University faculty members will present major papers at the conference. They are Dr. Richard B. Gregg, professor of speech communication; Dr. Murray S. Martin, associate dean of the University Libraries; Dr. Carroll C. Arnold, professor of speech communication; and Dr. Roland J. Pellegrin, professor and head of the Department of Sociology.

Dr. Bailey is a former William Church Osborn Professor of Public Affairs at Princeton University and director of graduate programs at the Woodrow Wilson School of Public and International Affairs there. More recently, he was a Maxwell Professor of Political Science, professor of educational administration, and the dean of the Maxwell Graduate School of Citizenship and Public Affairs at Syracuse University.

He has been a visiting scholar at the Institute for Educational Leadership, George Washington University; a visiting fellow at the Brookings Institution; and a senior Fulbright lecturer at Oxford University.

In 1976, he was awarded the Distinguished Service to Education Medal of the Teachers College of Columbia University.

He is the author of several books and monographs, among them, *Roosevelt and His New Deal, Congress at Work, Ethics and the Politican, Education Interest Groups in the Nation's Capital,* and *The Purposes of Education.*

On Monday, April 4, Dr. Gregg will open the morning session of the conference with a paper on the topic, "Who Will Our Students Be?" Dr. Martin will speak at 2 p.m. April 4 on "Faculty: Possibilities and Probabilities."

At 9 a.m. April 5, Dr. Arnold will speak on "What Are the Options for the College in Facing the Problems of the Next Decade?" His remarks will be followed by a response from Dr. Robert J. Mowitz, director of the Institute of Public Administration.

Dr. Pellegrin will present the final paper, following Dr. Mowitz's comments. His topic will be, "How Can the College Best Respond to the Anticipated Conditions and Problems of the Next Decade?" Dr. Marvin E. Rozen, professor of economics, will respond to Dr. Pellegrin's remarks.



Dr. Bailey

Each session of the conference will include a discussion period. The sessions will conclude at noon April 5 with final comments by Dr. Ronald Filippelli, librarian, Labor History Archives; Dr. Evelyn Hovanec, associate professor of English; and Dr. Philip Klein, professor of economics.

News in Brief

Irish ombudsman to speak

Dr. Maurice Hayes, former ombudsman for Northern Ireland, will discuss "The Situation in Northern Ireland" at 1:15 p.m. on Tuesday, April 5, in Room S-131 Henderson Human Development Bldg. His lecture is sponsored by the Community Development Division and the University Committee on International Programs.

Dr. Hayes is currently Senior Administrator in Health and Social Services for the Northern Ireland government. He was the first chairperson of the Northern Ireland Community Relations Commission, serving from 1969 to 1972. He then became director of the Office for Complaints in the Parliamentary Commission for Administration — the ombudsman position. Subsequently, he was Deputy Secretary in the Northern Ireland Executive and later Special Adviser to the Chairperson of the Northern Ireland Constitutional Convention. Through all these assignments, Dr. Hayes, as a member of the minority Roman Catholic community, has been able to maintain both the confidence of his own community and the respect of the dominant Protestant factions.

First Dotterer lecture on April 2

Dr. Jacob Klein, dean emeritus of St. John's College, Annapolis, will discuss "Speech: Its Strengths and Weaknesses" in a Ray H. Dotterer Memorial Lecture at 10:30 a.m. on Saturday, April 2, in the Hetzel Union Building assembly room.

Dr. Klein is a world-renowned specialist on the origins of modern mathematics and philosophy and has written numerous articles on topics in the history of science and philosophy. His chief work is a book entitled *Greek*

(Continued on page 4)

Student surveys, transfers; part-time faculty reports due

At the April 5 meeting of the University Faculty Senate, the Committee on Faculty Affairs will present recommendations on the use of student course evaluations in judging faculty effectiveness.

The recommendations are made in light of a previous report by a special committee, the Committee to Review Procedures of Academic Units for Student Evaluation of Courses, presented at the Feb. 1 Senate meeting.

A study conducted by the special committee suggested that in many units of the University, student survey instruments are the primary, and often the only, means of judging teaching effectiveness for promotion and tenure decisions.

According to the report to be presented by the Committee on Faculty Affairs, the student is inevitably concerned with short-term considerations, such as course requirements, the amount of work involved, and the kind of examination given. But teaching effectiveness, according to the committee, is more properly determined by long-term considerations, such as the instructor's command of subject matter, employment of effective teaching devices, and ability to make a lasting contribution to the student's education.

The committee will recommend that:

— The Senate reaffirm an earlier statement that recommendations regarding personnel actions must incorporate various kinds of information on teaching effectiveness.

— The Senate reaffirm an earlier statement that all evaluations of teaching effectiveness include student input, but make explicit that student evaluation surveys alone are not adequate.

— The Senate request that the Provost incorporate the substance of these policy statements in the *Administrative Guidelines for the Conduct of the University Promotion and Tenure Review Process.*

In addition, the report will include several suggestions for judging teaching effectiveness.

Action will also be taken on the recommendations previously proposed by the Committee to Review Procedures of Academic Units for Student Evaluation of Courses.

In addition, the Senate will hear a report from the Committee on Intra-University Relations. A subcommittee was established to investigate the frequency of use of part-time faculty, after it was learned that at some Commonwealth Campuses, the use of part-time faculty approaches 25 percent of all resident instruction credit.

In general, the subcommittee found problems related to part-time faculty to be specific to various locations in the University system. Four concerns, however, were identified that could have University-wide ramifications:

— The increased burden on full-time faculty by the greater numbers of students resulting from high usage of part-time faculty at some locations.

(Continued on page 4)



The spring lambs were photographed by Bob Beese.

Faculty Notes

Dr. Carroll C. Arnold, professor of speech communication who is retiring this year, was honored at the 68th annual convention of the Eastern Communication Association, held March 24-26 in New York City. Four of Dr Arnold's former students participated in the program honoring him.

Three Human Development faculty members are serving as journal editors. **Dr. Donald L. Peters,** associate professor of human development, is an associate editor of Exceptional Children. **Dr. Barbara R. Price,** assistant professor of law enforcement and corrections, is serving on the board of editors of Criminology. **Dr. Vladimir deLissovoy,** professor of child development and family relations, is associate editor of two publications, Journal of the Association for the Care of Children in Hospitals and The Family Coordinator.

Raymon Masters, assistant professor of architecture, recently returned from Italy where he organized an exhibit on the research in computer graphics being conducted in the Department of Architecture under his direction. The exhibit, which also includes non-computer graphics produced by Italian architects and artists, is entitled "Iperspazio" and will open May 5 at the Castello Sforzesco, Milan. The exhibit is sponsored by the Castello and the City of Milan. During his stay in Italy, Prof. Masters also conducted a series of seminars on computer graphics and computer applications in architecture at the University of Florence and at the University of L'aquila.

Dr. Lois Boe Hyslop, professor emerita of Romance Languages and Fellow of the Institute for the Arts and Humanistic Studies, has published an article on a famous novel of Benjamin Constant in the March 1977 issue of the French Review. The article is entitled *"Adolphe: 'Aimer' or 'Etre aime?' "*

Dr. Maximiliane Szinovacz, assistant professor of human development and family economics, was guest speaker on March 18 at Cornell University's Women's Studies Seminar series, speaking on "What Happens to the Division of Labor at Home when Women Go to Work: Evidence from Austria and the U.S. Compared."

Dr. John F. Houlihan, assistant professor of physics at Shenango Valley, presented a paper at the American Physical Society meeting held in San Diego, Cal., March 21-24. He discussed research on fabricating commercially available titanium alloys to make electrodes for a new process which uses sunlight to split water into oxygen and hydrogen to produce a clean-burning gas that could replace fossil fuels. The project is being done in cooperation with **Dr. Laxman N. Mulay,** professor of solid state science at University Park.

Dr. Raymond E. Lombra has been named associate professor of economics at the University. For the past six years, he has been a senior staff economist with the Board of Governors, Federal Reserve System, Washington, D.C., engaged in analyses and research in macroeconomics and money and banking. A graduate of Providence College, with a B.A. in economic and philosophy, he earned his M.A. and Ph.D. in economics at Penn State.

Dr. Robert F. Nicely Jr., associate professor of education, is the author of a chapter in the book, *Organizing for Mathematics Instruction.* The book is the 1977 Yearbook of the National Council of Teachers of Mathematics.

Dr. Dwain N. Walcher, director of the Institute for the Study of Human Development, has been honored for outstanding service to the International Organization for the Study of Human Development. Dr. Walcher was presented a silver medal by President Jean Frezal, of the Universite Rene-Decartes in Paris, France, who is serving as honorary president of the organization at the group's Fourth International Congress. The organization was founded at the National Institutes of Health in Bethesda, Md., in 1969, to promote and facilitate on an international basis the interdisciplinary study of human development over the entire life cycle. It is made up of members from 22 countries. Dr. Walcher currently is serving as executive secretary-treasurer of the organization and has coordinated its international conferences.

Three faculty members from the Department of Physics presented papers at the American Physical Society meeting in San Diego, Cal., March 21-24. **Dr. Toshio Sakuri,** assistant professor, presented a paper titled "CO Chemisorption on Si and Ge Surfaces." **Dr. Milton W. Cole,** associate professor, presented a paper co-authored with **Prof. Joseph Pliva,** "Interaction Potential of Alkali Halide Surfaces and Rare Gas Atoms." Two papers were presented by assistant professor **Jeffrey S. Lannin.** They were "Disorder Induced One-Phonon Raman Scattering: Ge-Si Alloys" and "First and Second Order Raman Scattering in Orthorhombic Arsenic."

Three Hershey faculty members have been recertified as diplomates of the American Board of Family Practice. They are **Dr. Thomas L. Leaman,** professor and chairman of the department of family and community medicine; **Dr. Hiram L. Wiest,** an associate professor in the department; and **Dr. Willis W. Willard,** an assistant professor. The American Board of Family Practice, organized in 1970, was the first such specialty board to require recertification every six years. The three Hershey faculty members were thus among the first group to be certified and to be recertified.

Dr. Kyra R. Whitmer, research associate in physiology and assistant professor of nursing at Hershey, has been appointed to the Commission of Nursing Research of the Pennsylvania Nurses Association. The eight-member commission's objectives include defining and promoting the role of the professional nurse in various research areas. Dr. Whitmer is currently organizing a nursing research conference that will be held next fall.

Dr. Walter H. Walters, dean of the College of Arts and Architecture and professor of theatre arts, was installed as a Fellow in the United States Institute for Theatre and Technology on March 19 in Washington, D.C. His installation was "for outstanding contributions to the theatre and service to the Institute."

Dr. Robert Lima, professor of Spanish and comparative literature, is the author of a poetry chapbook, *Poems of Exile and Alienation,* published by the Anvil Press, Boulder, Col. Coauthor of the book is Teresinka Pereira, of the University of Colorado. Dr. Lima recently returned from Peru, where he has been a Senior Fulbright Fellow since September, 1976. While there, he joined Mario Vargas Llosa, a leading South American novelist, and Luis Alberto Sanchez, a prominent critic, in a televised discussion of Saul Bellow and his Nobel Prize-winning novels. The half-hour videotape was produced by the United States Information Service and will be broadcast throughout Latin America.

Monte Scott Bedford, instructor in music and oboist with the Claremont Woodwind Quintet, was guest artist for a series of concerts in Wisconsin and Illinois in late February and early this month. He played oboe with the University of Wisconsin-Parkside Baroque players for two concerts, and his mother, Frances Bedford, professor of music there, played harpsichord. At Carthage College, Lake Forest College, and Alverno College, he and his mother presented harpsichord and oboe concerts of baroque and contemporary music.

An article about the solar kiln developed by **Veljko D. Kujundzic,** associate professor of art at Fayette, has appeared in l'atelier 12, a French studio crafts magazine. The article will be reprinted in Le Pont, journal of a French conservationist society. Prof. Kujundzic also delivered a talk, "Sculpture of the Americas," at a Sculptors Society of Canada meeting in Toronto earlier this month.

Herbert C. Jordan, associate professor of poultry science extension, received the "Gamebird Industry Man of the Year for 1976" award at the Gamebird Association's Annual Meeting held in State College recently. According to the citation, he "started a highly successful Gamebird Short Course in Pennsylvania that has kept the industry up-to-date on research findings and practical experiences of the industry."

Walter H. Delashmit Jr., research assistant in the Applied Research Lab, is the co-author of an article, "Accuracy and Error Sensitivities for Circular Scan Correlator Systems," in the January IEEE Transactions on Aerospace and Electronic Systems.

Retirement

Dr. Warren W. Miller, professor of chemistry and humanities, is retiring April 1. Dr. Miller joined the faculty in 1950. A graduate of Ohio State University, he earned his Ph.D. at UC-Berkeley and was a research associate at the Brookhaven National Laboratory. A specialist in nuclear chemistry and radiochemistry, he also developed and taught the course, Modern Science and Human Values, for the Division of General Education in Humanities and Social Sciences.

Bookshelf

A textbook dealing with virtually every aspect of residential and commercial plan reading has been authored by **Ernest R. Weidhaas,** head of the Department of General Engineering. The 400-page book, intended as a teaching aid, class reference and self-study guide, includes more than 750 illustrations, many by the author, and 2,000 study questions. It has been published by the Longwood Division of Allyn and Bacon Inc., and is entitled *Reading Architectural Plans for Residential and Commercial Construction.*

Mr. Weidhaas, professor of engineering graphics, is also assistant dean for Commonwealth Campuses in the College of Engineering. He has divided the book into three primary areas: introduction to architectural plans, reading residential plans and reading commercial plans. Special sections cover fire protection, modular coordination, architectural calculations, rigid frames, trusses, the Construction Specification Institute format for architectural specifications, computer-assisted drafting, automatic welding and other new developments in the field.

A registered professional engineer in Pennsylvania, Prof. Weidhaas received his B.S. and M.S. degrees in mechanical engineering from New York University. He is the author of six books published by McGraw-Hill and Allyn and Bacon.

Dr. Charles Grossman, assistant professor of radiology at Hershey, is co-author of a new book, *Computed Brain and Orbital Tomography: Technique and Interpretation,* published by John Wiley and Sons, Inc., N.Y. His co-authors are Dr. Carlos Gonzalez, of Hahnemann Medical College, and Dr. Enrique Palacios, of Loyola University Medical Center. Dr. Grossman, who joined the Hershey faculty last year, holds an A.B. degree from Johns Hopkins and an M.D. from New York University.

Dr. Janet A. Williamson, head of the Department of Nursing, is editor of a book that has been selected "Book of the Year" by the American Journal of Nursing. The book, *Current Perspectives in Nursing Education: The Changing Scene,* was published by the C. V. Mosby Co. as part of its Practice and Perspectives in Nursing Series.

The book examines issues and perspectives that affect all nurses regardless of their specialization within nursing. It begins with a historical analysis and ends with an international perspective. Besides editing the volume, Dr. Williamson contributed a chapter on "More Professor than Practioner?"

Other University contributors include **Dr. Margret A. Baltes,** assistant professor of human development and nursing, "The Nonnurse Faculty Member"; **Shirley W. Ettaro,** assistant professor of nursing, "Educational Accreditation and Accountability in Nursing"; and **Dr. Laurie M. Gunter,** professor of nursing and human development, "Federal Financing."

The third edition of the *Technical Data Book –Petroleum Refining* has been published by the American Petroleum Institute. The 900-page, two-volume book has become the standard for thermodynamic properties of the petroleum industry, with a worldwide distribution of about 5,000 copies. The book is a culmination of a 17-year study undertaken by the American Petroleum Institute, including four years of development work at Penn State. It was prepared and edited by **Dr. Ronald P. Danner,** associate professor, and **Dr. Thomas E. Daubert,** professor of chemical engineering.

The Data Book was originally conceived as a way of helping engineers solve the complex and time-consuming problem of selecting the correct physical and thermodynamic property data to solve a particular design problem. Penn State, chosen because of its expertise in chemical engineering and petroleum composition and properties, has been the site of preparation of the book since the beginning of the project in 1959. At that time it was directed by **Dr. Walter G. Braun,** professor of chemical engineering and associate dean for instruction, Engineering, and the late **Dr. Merrell R. Fenske,** for many years director of the Petroleum Refining Laboratory.

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Application to mail at second-class postage rates is pending at State College, Pa. 16801

Arts Roundup

Gregg Smith Singers to appear

The Gregg Smith Singers will present a concert at 8:30 p.m. on Friday, April 1, in Schwab Auditorium, the final event in the Artists Series Fine Arts program.

The group, founded by Mr. Smith in 1955, has completed four European tours, and has also concertized extensively in this country. Mr. Smith, who is director of the choir at Peabody Conservatory in Baltimore, as well as of the Columbia University Glee Club, often composes for the chorus, which is known for its championship of contemporary music.

The program will include songs of the 18th, 19th and 20th centuries, Renaissance and contemporary American music, songs of Stephen Foster, 19th century election songs and songs of the Gay '90s.

Tickets for the concert are on sale at the HUB Booth.

Penn State Symphony to play April 2

The Penn State Symphony Orchestra will present a free concert at 8:30 p.m. on Saturday, April 2, in the Milton S. Eisenhower Auditorium. The four works to be presented include Overture to *The Barber of Seville* by Rossini; Sibelius Violin Concerto, to be performed by Linda Kistler, co-winner of the Symphony's Young Artist Award this year; Toccata for Percussion by the combined Penn State and Susquehanna University percussion ensembles, conducted by Donald Schade; and *Appalachian Spring* by Aaron Copland.

Dance Theatre concert set

Jazz Dance Theatre will perform Thursday through Saturday, April 7-9, at 8 p.m. at the Playhouse Theatre under the direction of choreographer Jean Sabatine, of the Department of Theatre and Film. The program will be highlighted by two new dance pieces, "Impasse," which deals with an individual's entrapment with himself, and "Junkyard Funk," a visual interpretation of contemporary sounds.

The theatre box office is open from 1 to 6 p.m. Monday through Saturday on non-performance days and from 1 to 9 p.m. performance days.

Kern offers "In the Rotagravure"

The Commons Gallery is presenting "In the Rotagravure" by Ed Leos, associate professor of journalism. The exhibit features samples of the rotagravure section of the New York Herald-Tribune from 1926 to 1932. The rota process is still used in weekend newspaper supplements and in magazines, when large-volume, high-quality reproduction is called for, however, rota today is almost invisible as a distinct medium. The exhibit continues through April 16.

Knives and tools exhibited

"The Edged Tool," a national exhibition of knives and tools, is on display now through March 29 in the Chambers Bldg. gallery. Dr. Albert Anderson, assistant professor of art education, organized the exhibition, which encompasses 47 crafts from 22 different craftsmen from across the nation. The crafts range from cookie cutters to various ceremonial knives with some items representing symbolic as well as functional uses.

Prof. Anderson said the display, which is open from 8 a.m. to 5 p.m. Monday through Friday, is the first of its kind and proves that the most ancient craft of all time — the making of tools — is still practiced today. "There's still a strong tradition," he said. "The shapes of knives have not really changed very much."



Left to right, Ms. Zagst, Mr. Baisley and Mr. Feldman.

Thalia Trio offers concert on April 6

The Thalia Trio, whose members are Joanne Zagst, violin; Leonard Feldman cello; and Robert Baisley, piano, will present an all-Beethoven program at 8:30 p.m. on Wednesday, April 6, in the Music Bldg. recital hall. They will be joined by violist Rebecca McKee, a graduate assistant. The program includes Twelve Variations on a theme from Handel's *Judas Maccabeus*; Piano Quartet in E flat Major, op. 16; and Trio in B flat Major, op. 97, *Archduke*.



John Cappelletti (left) with his screen counterpart, Marc Singer

Cappelletti story to be dramatized on TV

"Something for Joey," the touching true-life story of the close and loving relationship between Penn State's John Cappelletti, now a star running back for the Los Angeles Rams, and Joey, his younger brother stricken with leukemia, will be dramatized in a major CBS special from 9 to 11 p.m. on Wednesday, April 6. Channel 10 will carry the program locally.

The large cast includes Geraldine Page, Gerald S. O'Loughlin, Marc Singer, Jeff Lynas, Linda Kelsey, Brian Farrell, Kathleen Bellar and Steve Guttenberg as members of the closely-knit and courageous Cappelletti family, with Paul Picerni and Stephen Parr also in starring roles. Lou Antonio is the director of the special, which was written and produced by Jerry McNeely for MTM Enterprises.

John Cappelletti won the Heisman Trophy in 1973, and Penn Staters will never forget the television news clips of the awards banquet where he presented his coveted trophy to Joey.

The special examines the admiration each brother had for the other and how they inspired one another.

"Something for Joey" traces the events in the Cappelletti's lives during the two years leading up to the awards dinner.

Miss Page, renowned stage and screen actress, portrays the Cappelletti mother. She is a two-time Emmy winner for "A Christmas Story" and "The Thanksgiving Visitor," and a three-time Academy Award nominee.

Mr. O'Loughlin is currently appearing in the film, *Twilight's Last Gleaming*. In "Something for Joey," he portrays the Cappelletti father.

Mr. Singer, who stars as John Cappelletti, won the Los Angeles Drama Critics Circle Award as best actor of 1974 for his stage performance in *The Taming of the Shrew*.

Young Lynas, who portrays Joey, is new to television. He won acclaim for his lead role in the film *Lies My Father Told Me*.

WPSX Highlights

The inability of society to confront the holocaust that befell European Jews in the Nazi era is the subject of "The 81st Blow," a **Documentary Showcase** presentation Friday, April 1, at 10 p.m. Produced by an Israeli film team, the documentary was compiled from films and photographs from the 1930s and 1940s. It includes dramatic testimony of witnesses who appeared at the 1961 Eichmann trial. The program's title is drawn from the story of a Jewish boy who was brutally beaten with 80 blows. When he tried to tell his story after the war, he realized that no one believed him. This, to him, was a crushing 81st blow.

Wild Strawberries, Ingmar Bergman's international award-winning 1957 film, will be broadcast uncut and uninterrupted on **Foreign Film: Theme, Form, and Style** Saturday, April 2, at 9 p.m.

Six American Families, a new documentary series that takes an in-depth look at American family life, premieres Monday, April 4, at 8 p.m. Each program in the six-part series centers around a specific family. The first program observes the Pasciak family of Chicago, a Polish-American family whose traditions and ethnic background are shaken by the new lifestyle of their children.

Systems management is the subject of the third program in **The Finite Earth** Tuesday, April 5, at 9 p.m. The program focuses on the management of a river system, as revealed in a study of the Susquehanna River and the work of the Susquehanna River Basin Commission. Appearing are David DeWalle, associate professor of forest hydrology; Arthur C. Miller, assistant professor of civil engineering; and members of the commission.

George Bernard Shaw's *Pygmalion* is the focus of two special programs to be seen Tuesday, April 5. At 8 p.m., **The First Night of Pygmalion** recreates the 1914 battle of wits when three of the biggest egoists of the English theatre — Shaw, Mrs. Patrick Campbell and Sir Herbert Beerbohm-Tree — mounted the first production of *Pygmalion*. Then, at 9:30 p.m. **PGS Movie Theatre** presents Leslie Howard and Wendy Hiller in the classic 1938 film version of *Pygmalion*.

Funding Sources

For further information, call 865-1372

(264-1) The National Science Foundation has issued proposed guidelines and funding criteria for the **State Science, Engineering, and Technology Program (SSET).** Comments are requested by April 15. Study grant applications may be submitted only by an organization designated by the Governor or Legislature and authorized to act as grantee. The thrust of the program is to identify the ways in which states and local governments can increase their capabilities for using science, engineering and technology in meeting the needs of their citizens. (Ref. 42FR14789-91, 3/16/77)

(264-2) The HEW/SRS Public Services Administration has issued information about its FY1977 **"Federal Grants for Training Personnel for the Field of Child Welfare."** Teaching grants, traineeship grants, and short-term training grants are available. Current priorities include: program administration, social service delivery, preventive social services, and child care services. The next deadline is May 1. (Ref. 3rd, Jan. 1977)

Harrisburg newspaper supports President on PSU funding

The Harrisburg *Sunday Patriot-News*, in two editorials published March 20, vigorously supported President Oswald's efforts to obtain additional funding for the University and the Hershey Medical Center.

"It is inconceivable to think of Pennsylvania without Penn State," the paper said in an editoral titled "Its Fiscal Bind Is Clear." "Yet today," the paper continued, "Penn State is in deep economic trouble — not the type that will force it to close its gates tomorrow but a pattern that, should it continue, could doom the university to mediocrity."

Citing Dr. Oswald's arguments that because we are the largest school in the State, "people will look at the size of the appropriation without looking at the size of the mission," the editorial noted that although the Carnegie Report recommends a student pick up a third of his education costs, "at Penn State the load is 52 percent and prospects are that it will get further out of balance. . . ." Penn State, the editorial adds, quoting Dr. Oswald "just wants full attention and equitable treatment. It deserves that. And if it gets that from the Legislature and the Government it should do all right."

Noting increased State appropriations over the years to the University the editorial concludes:

"Yet the Oswald position is valid. Penn State must be helped, not hurt. A fundamental resource — it has 100,000 graduates living in Pennsylvania today — must not be so shortchanged that its service is endangered.

"There is a difference of $15.6 million between what the Governor budgets and what Penn State requests. The Legislature wouldn't be a spendthrift if it finds at least a portion of that difference to support this university which influences the lives of all Pennsylvanians."

The second editorial, "Hershey Complex Feels Pinch," says:

"A good deal of the Penn State financial plight lies with its College of Medicine at the Hershey Medical Center.

"So distinguished has this 10-year-old school become, one would think the Governor and the Legislature readily would approve the additional $1.16 million for it that Penn State seeks. Such, however, is not the case.

"The State appropriation to the medical college is on the basis of students. It amounts to $7,465 per student — the highest student subsidy in Pennsylvania history. Yet it has remained at that level since 1971. Counting for inflation, it really amounts to $5,002, while the University needs $10,568. Even having the nation's highest public medical college tuition of $3,000, Hershey Med can't make up the difference.

"The real squeeze comes with the purpose of this great medical college. It is dedicated to training physicians in primary care for small town and rural practices. If tuition gets much higher, its graduates will start out so much in debt that they may forsake family practice for the higher-priced specialties. That's not the mission of Hershey and Penn State.

"Hershey is doing an acknowledged excellent job. Its hospital is self-supporting. Of the original Hershey Foundation $50 million gift, $15 million was set aside in an endowment — the only endowment Penn State has — and is providing $1 million in operating money annually. Today that $50 million would run the 1,033-employee Hershey Center for only nine months, such has been its growth.

"Pennsylvania has a fine medical complex at Hershey, and it is getting better. For five years it has held the line on its State student subsidy, but that string has run out, a fact the Legislature and Governor must recognize."

Extension adds retrieval system

The University's Cooperative Extension Service has added another service for Pennsylvania residents — the Federal Assistance Program Retrieval System (FAPRS).

FAPRS is a computerized index of the *Catalog of Federal Domestic Assistance*, the directory communities and individuals must refer to in order to obtain information on the availability of programs eligible for federal assistance. These programs include grants, loans, surplus government property, or technical advice and information.

The FAPRS program will quickly search its records and identify programs for which an applicant is eligible. A computer printout in list form of program titles and catalog numbers is provided.

Currently about 600 programs classified by 1) the problems for which they can provide assistance and 2) the eligibility criteria for applicants are available in FAPRS. The categories of programs now included are community facilities, business and industrial development, planning and technical assistance, and housing. The categories of education, employment, health, and social services will be added on April 1.

Senate

(Continued from page 1)

— The apparent willingness of the University to use less expensive part-time personnel to teach courses when there appears to be a need for full-time appointments in certain locations.

— The lack of available data at any level of the University concerning the number of part-time people, the number of courses taught by them, and the number of credit hours produced by them at a given location.

— The question of the rights of part-time faculty, their status within the faculty, and their inability to make problems known to the University community at large.

It will be recommended that the appropriate Senate committees further investigate the situation, and these suggestions will be offered:

— An upper limit of 15 percent of all resident instruction sections taught by part-time faculty be enforced at all locations.

— The appropriate administration offices generate such data as is necessary to monitor the use of part-time faculty at each location and establish a file on such data.

— The question of part-time faculty rights be investigated by the Faculty Affairs Committee.

The Senate will also consider a legislative report from the University Task Force on Retention and Transfer of Students in Baccalaureate Program Majors. Discussion of this report appeared in the March 24 INTERCOM.

An informational report from the Committee on Student Affairs, Awards, and Scholarships on awards and scholarships for the 1976-77 year will be presented to the Senate, as well as a legislative report from the Continuing Education Committee on the Continuing Education Unit (CEU), a measure developed for reporting non-credit instruction.

An information report from the Committee on Undergraduate Instruction on the Cooperative Education Project is also scheduled for presentation.

News in brief

(Continued from page 1)



Prof. Klein

Mathematics and the Origins of Modern Algebra.

The lecture series honors the late Dr. Dotterer, who served as the first head of the Department of Philosophy from its organization in 1938 until his retirement in 1947. He had first taught at the University on a part-time basis from 1918 to 1926, and returned as professor of philosophy in 1930. Dr. Dotterer died in 1967.

The Department of Philosophy is sponsoring two Dotterer Lectures this year. The second speaker, Dr. Gerhard Funke of the University of Mainz, Germany, will talk April 14.

Yale English chairman to speak

The Institute for the Arts and Humanistic Studies is sponsoring a public lecture by J. Hillis Miller, chairman of the Department of English at Yale University, at 8 p.m. on Friday, April 1, in Keller Bldg. auditorium. Prof. Miller's topic will be "Theology and Logology in 19th and 20th Century Poetry: Stevens, Hopkins, and Wordsworth."

Well-known for his work in literature and in religion and literature, Dr. Miller is the author of several major books: *Charles Dickens: The World of His Novels* (1958), *The Disappearance of God: Five Nineteenth-Century Writers* (1963), *Poets of Reality: Six Twentieth-Century Writers* (1965), *The Form of Victorian Fiction* (1968), and *Thomas Hardy: Distance and Desire* (1970).

Prof. Miller's visit to campus is part of a two-day meeting, "Christianity and Literature. Comparative Approaches," on April 1 and 2. Further information about the conference may be obtained from Continuing Education at 865-7557.

Lambda Chapter to Meet

The Lambda Chapter of Phi Beta Kappa will meet at 4 p.m. Friday, April 1, at 173 Willard Building. The agenda includes the election of new members and discussion of initiation fees.

Course on preschoolers' eating patterns offered

The Individual and Family Consultation Center in the College of Human Development currently is enrolling parents in a short course on family nutrition and health. Designated the Preschool Eating Patterns or PEP program, the course is designed for parents with children of preschool age.

It will cover the role of food choices, eating habits and exercise in insuring a healthy family and will suggest changes parents may consider in their family's eating and exercise patterns to achieve this goal.

The program is directed by Dr. Anthony R. D'Augelli, assistant professor of human development, and Dr. Helen Smiciklas-Wright, associate professor of nutrition. It will involve evening weekly meetings over a six-week period, during which program teams will meet with parents in small groups. Participants will receive a manual to help them in considering what changes they might make in their family's food selections, eating habits or exercise patterns.

The PEP teams will consist of advanced graduate students from several disciplines, including Individual and Family Studies, Nutrition, and Nursing. Enrollment is limited for the program. Interested parents may call the Individual and Family Consultation Center at 865-1751 for further information.

Two students chosen by White House

Two University students were among 20 Americans chosen by the White House to give their views on how to solve the energy crisis. They were Paul G. Knight, 23, a graduate student in meteorology, and Stephen R. Jones, a senior majoring in mineral economics.

"I believe the government is really sincere about getting public opinion," said Mr. Knight. "I told them so when I answered their query. I said that I appreciated their asking, and that I believe everyone is going to have to pay part of the price in energy conservation."

Mr. Knight and Mr. Jones were among 20,000 Americans out of 350,000 asked, who replied to a query from the office of James R. Schlesinger, President Carter's chief energy advisor. They participated in a three-hour mini-conference March 25 on national energy policy with members of President Carter's energy staff. Mr. Knight is one of four meteorologists who alternate on "The State of the Weather/the Shape of the World."

Summer study procedures

Procedures for students at University Park who wish to take courses during the summer term at a Commonwealth Campus and then return in the fall to University Park have been announced.

The student is advised to secure a summer schedule for classes for the Campus where enrollment is planned, either in Room 110 Shields Bldg., the office of his dean, or from the Campus he or she will attend. The adviser's signature on the #2 card is required, the name of the Campus where enrollment is planned should be indicated on the top of the #2 card, and the card then should be taken to the office of Richard T. Sodergren, assistant records officer, Room 114 Shields Bldg.

Tuition payment should be made at the Campus prior to registration. A change of assignment is not required.

PSU 1st in number of associate degree students

Penn State ranks first among schools in the United States in the number of students enrolled in associate degree and pre-engineering programs, according to a survey by the Engineering Manpower Commission of the Engineers' Joint Council. The survey, using 1975-76 enrollments, covered 330 technical institutions which had enrolled the majority of students in two- and four-year technology programs. Penn State, according to the survey, had 2,139 full-time associate degree and pre-engineering students.

Wentworth Institute and College, Boston, Mass., ranked second with 1,591 students. Erie Community College North Campus, Buffalo, N.Y., and The State University of New York Agricultural and Technical College at Farmingdale ranked third and fourth, respectively, with 1,406 and 1,367 students.

University Park Calendar

April 1-10

Special Events

Friday, April 1
Sports: North American Soccer League, 7 p.m., Jeffrey Field.
J. Hillis Miller, Yale University, on "Theology and Logology in 19th and 20th Century Poetry: Stevens, Hopkins, and Wordsworth," 8 p.m., Keller auditorium
Un-Common Dinner Theatre Preview, "Just Around the Corner," 8 p.m., Room 112 Kern.
Overda Page, flute, 8:30 p.m., Music Bldg. recital hall.
Artists Series, Gregg Smith Singers, 8:30 p.m., Schwab.

Saturday, April 2
Department of Philosophy First Dotterer Lecture. Jacob Klein, St. John's College, on "Speech: Its Strengths and Weaknesses," 10:30 a.m., HUB assembly room.
Sports: Men's volleyball, vs. East Stroudsburg, 1 p.m., men's lacrosse, vs. Drexel, 7 p.m.
Un-Common Dinner Theatre, dinner 6:30 p.m., play, "Just Around the Corner," 8 p.m., Rooms 102 and 112 Kern.
Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium (formerly University Auditorium).
Annual faculty-staff-grad student swim marathon, all day, Natatorium.
P.S.O.C. Hiking Division, backpack on Black Forest trail, through Sunday.
Last date for May graduates to deliver doctoral theses to committee.

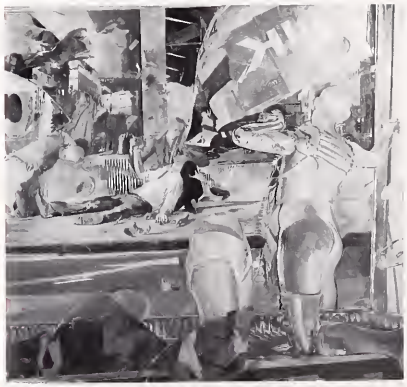
Sunday, April 3
University Chapel service, 11 a.m., Eisenhower Chapel. Mary Marks, Pittsburgh Theological Seminary.
Sports: Men's tennis, vs. Bloomsburg, 1 p.m.
Tim Shuey, piano, 3:30 p.m., Music Bldg. recital hall.
Un-Common Dinner Theatre, dinner, 6:30 p.m., play, "Just Around the Corner," 8 p.m., Rooms 102 and 112 Kern.
Liberal Arts Spring Conference. Stephen K. Bailey, American Council on Education, on "Directions for the Liberal Arts College in the Next Decade," 8 p.m., HUB ballroom.

Monday, April 4
Liberal Arts Spring Conference Richard Gregg on "Who Will Our Students Be?" 9 a.m.; Murray Martin on "Faculty: Possibilities and Probabilities," 2 p.m., HUB ballroom
French film, "Boudu Saved from Drowning," 7 and 9 p.m., Room 112 Kern.
Aristotelian Society meeting, 7:30 p.m., Room 2 Faculty Club. Everyone welcome
International Student Assn. forum, Robert J. McIntyre and Riad Ajami on "The Effect of Oil Prices on the World Economy," 7:30 p.m., Room 101 Kern.
Karen Scott, soprano, and Kyung Sook Kim, soprano, accompanied by Phillis Triolo, 8:30 p.m., Music Bldg. recital hall.
Fixed date for meetings involving Commonwealth Campus faculty.
Intramural sports. Soccer round robin for graduate student and faculty-staff division, entry open; entry close, April 7.

Tuesday, April 5
Liberal Arts Spring Conference. Carroll Arnold on "What Are the Options for the Next Decade?" and Roland Pellegrin on "How Can the College Best Respond to the Anticipated Conditions and Problems of the Next Decade?" 9 a.m.; final plenary session, 1 p.m., HUB ballroom.
Gallery Talk and slide presentation. Jerome Witkin will discuss his recent work and his painting, "Kill Joy: To the Passions of Kathe Kollwitz," 10:30 a.m., Museum of Art
Division of Community Development and UCIP Lecture. Dr. Maurice Hayes, Senior Administrator in Health and Social Services for Northern Ireland, on "The Situation in Northern Ireland," 1:15 p.m., Room S131 Henderson.
Music Career Day luncheon, 12:30 p.m., Room 101 Kern.
Sports: Women's tennis, vs. West Chester, 2:30 p.m.
Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
Fixed date for meetings involving Commonwealth Campus faculty.
Last date for written foreign language exams (other than French and Spanish) for advanced degree candidates

Wednesday, April 6
Sports: Men's baseball, vs. Lafayette, 3 p.m.
Department of Architecture Lecture. Leon Krier on "Projects of the City: Urban Space and Sense of Place," 7:30 p.m., Room 108 Forum
G.S.A. Commonsplace Theatre, "Frenzy," 7:30 and 9:30 p.m., Room 112 Kern
Artists Series Film Festival, Truffaut, "Two English Girls," 8 p.m., Eisenhower Auditorium.
Thalia Trio, all Beethoven program, 8:30 p.m., Music Bldg. recital hall.

Thursday, April 7
Visiting Artist Lecture Irvin Petlin, 1 p.m., Zoller Gallery.
International Student Assn. Lecture "Marriage in the U.S.A.," 7:30 p.m., Room 101 Kern.
University Theatre, "Jazz Dance Theatre in Concert," 8 p.m., Playhouse Theatre.



Jerome Witkin's "Kill Joy: To the Passions of Kathe Kollwitz" – the artist will discuss his work April 5.



Jazz Dance Theatre appears this weekend.

Friday, April 8
Sports: Men's and women's track, Nittany Lion Relays.
University Theatre, "Jazz Dance Theatre in Concert," 8 p.m., Playhouse Theatre.

Saturday, April 9
Sports: Women's softball, vs. Temple, 1 p.m.; men's golf, vs. George Washington, 1 p.m.; men's tennis, vs. Colgate, 2 p.m.; men's and women's track, Nittany Lion Relays.
University Theatre, "Jazz Dance Theatre in Concert," 8 p.m., Playhouse Theatre
Last date for final oral doctoral exams for May graduates.
Last date for May graduates to deliver masters' theses or papers to adviser.

Sunday, April 10
Community Easter Sunrise service, 7 a.m., Old Main lawn. Dr. David L. Hadden, Presbyterian Church, State College
P.S.O.C. Hiking Division, hike around Black Moshannon Lake, 9 a.m., HUB parking lot
The All-Faith Choir, Tomme Irwin, Director. A service of Easter music, 11 a.m., Music Bldg. recital hall
Sports: Women's track, Nittany Lion Relays, 3 p.m.
Shakespeare film, *Hamlet* (Olivier), 6:30 p.m., Room 101 Chambers. Free admission.

Seminars

Monday, April 4
Plant Pathology, Richard Porter on "Interactions in Vertical Pathosystems," 9:45 a.m., Room 213 Buckhout
Architecture and Urban Planning, William Lumpkins, architect, Santa Fe, on "Building Materials and Solar Tempering Houses: The Southwest Experience," 2 p.m., Room 318 Sackett.
Genetics, Craig Bond on "DNA Sequencing: The Chemical Modification Technique of Gilbert," 3:55 p.m., Room 111 Tyson.
Computation Center, "BFIO," suggested for users of research accounts, 7:30 p.m., Room 108 Forum

Tuesday, April 5
Analytical Chemistry, Arthur Finch, Royal Holloway College, University of London, on "Thermochemistry of Selected Polyhalide Species," 1 p.m., Room 333 Whitmore.
Solid Waste Management, David Sheridan, Civil Engineering, PSU, on "Sludges Formed in a Line Biological Wastewater Treatment Plant," 2:20 p.m., Room 124 Sackett
Chemical Engineering, E. Ruben, University of Pennsylvania, on "Foam Separation — Some Recent Developments," 3:45 p.m., Room 140 Fenske
Engineering Science and Mechanics, Wayne W. Stinchcomb, Virginia Polytechnic Institute & State University, on "Fatigue of Composite Materials," 4 p.m., Room 232 Hammond

Wednesday, April 6
Inorganic Chemistry, Joseph San Filippo, Rutgers University, on "Studies in Metal-Metal Bonded and Metal-Oxygen-Metal Bonded Systems," 8 p.m., Room 333 Whitmore

Thursday, April 7
Ceramic Science, R. M. Cannon, Massachusetts Institute of Technology, on "Microstructure Development in Covalently Bonded Ceramics," 11 a.m., Room 301 Mineral Industries.
Chemistry, George W. Flynn, Columbia University, on "Intermode Energy Transfer in Small Molecules: Some Ramifications for Laser Initiated Chemical Reactions," 12:45 p.m., Room 333 Whitmore.
Anthropology, James Deetz, Brown University, 3:30 p.m., Room 101 Kern.
Physics, Ralph Moon, Oak Ridge National Laboratory, on "Neutron Scattering, A Versatile Tool for Solid State Physics," 3:50 p.m., Room 117 Osmond.
Acoustics/Aerospace Engineering, Donald E. Thompson, ARL, on "Some Aspects of Propulsor Unsteady Forces," 3:55 p.m., Room 232 Hammond
Transportation Institute, Barbara Reichart, Federal Highway Administration, on "Pedestrian Improvement Strategies for Central Business Districts," 3:55 p.m., Room 111 Boucke.
Computation Center, "APL (1)," suggested for users of research accounts, 7:30 p.m., Room 108 Forum

Exhibits

Chambers Gallery: Jamaican Child Art, opens April 4.
HUB Gallery: Smithsonian Institution Exhibition, "Ride On," illustrations of bicycles.
Kern Commons Gallery: "Wednesday Afternoon," photographs, through April 2, rotogravure prints from the N.Y. Herald-Tribune, Margone Johnstone and Jean Jiddings, rugs and weavings, and Sylvia Rogers, patchwork quilts, opens April 2.
Museum of Art: Ancient Class — Classical, Sassanian, and Islamic; abstract paintings and prints from the permanent collection.
Paltee Galleries: Historical Preservation exhibit from the Art History Department, Main Lobby; paintings by advanced painting students and Fine Arts graduates, through April 4, Jim Mastelli, drawings, opens April 5, East Corridor Gallery; Mike Lucas, drawings, Lending Services Lobby
Zoller Gallery: Student Drawing and Printmaking, opens April 2.

Elsewhere in Academe

Parent loan plans starting up

A number of private colleges and universities are beginning loan programs for middle income families. Harvard was the first to offer loans to families earning $15,000 to $50,000 a year, and its lead will be followed next year by Amherst, Bryn Mawr, Cornell, Pomona and Stanford. Yale, Princeton and Mills are also considering these programs, which allow parents to borrow money at interest rates between 8 and 8¾ percent. Few funds are currently available to aid families with incomes above $20,000 a year, and federally insured loans for students are limited to $2,500 a year, often not enough for middle income students. The programs allow parents to space out college payments.

R.O.T.C. enrollments rise

Army R.O.T.C. enrollments, which fell from 177,000 in 1967 to 33,000 in 1973 are on the rise again. Last year, 76,000 students enrolled, and this year's figures are expected to be higher. The program has also returned to several campuses which dropped it as a result of the Vietnam war — among them, Princeton, Dartmouth and M.I.T.

Desegregation ordered

A Federal District judge, in what he called "a radical remedy" to end segregation, has ordered the merger within three years of the University of Tennessee's Nashville campus with Tennessee State University. The ruling came almost nine years after a lawsuit brought by a group of Tennessee State supporters who claimed the university's campus in Nashville effectively prevented their institution from attracting white students and thus continued racial desegregation.

College is still a good buy

Quality higher education is still a spectacular "buy," according to a Washington Post News Service story which points out that when Brandeis University opened its doors in 1948, tuition and room and board charges there were $1,200. (Harvard cost $1,205 at that time.) The same year, a standard four-door Ford V-8 sedan went for $1,346. This year, the cost of attending Brandeis is $5,941, while at Harvard students are paying $6,250. The full-sized Ford — with options — costs more than $6,300.

New arts research center

The American Research Institute of the Arts has been organized with the support of the International Council of Fine Arts Deans to serve as a national clearing house for research in the arts, to chart significant issues, to develop funding and disseminate research results. The organization is headquartered at Indiana University.

Female grad enrollments up

A 1975 nationwide survey by the U.S. Census Bureau has found that the enrollment of women in graduate and professional schools rose about 75 percent between 1970 and 1975; for men, the five-year increase was only 23 percent. Women now make up nearly half of the 747,000 first-year students in graduate and professional schools. However, after the first year, their numbers decline. Only 33 percent of the second-, third- and fourth-year graduate and professional students are women. Between 1970-75, the number of women who earned doctorates increased 59 percent, from 4,600 to 7,300, while the number of doctorates conferred on men declined 2.6 percent, from 27,500 to 26,800. There was a dramatic jump of 184 percent in the number of first-professional degrees awarded to women (to 7,000), but this was still only 12.5 percent of the total number awarded. Men received 49,200 such degrees, an increase of 37.4 percent.

Professional school rankings

A new national survey, "The Cartter Report on Leading Schools of Education, Law and Business," has placed Stanford's schools of education and business and Harvard's law school at the tops of the heap. The study is based on the opinions of more than 1,600 faculty members and deans. Rankings for education were: Stanford, Harvard, Chicago, UCLA, Berkeley, Wisconsin, Columbia, Ohio State, Michigan and Illinois. Harvard was rated second in business, followed by MIT, Chicago, Carnegie-Mellon, Berkeley, Penn, UCLA, Northwestern and Cornell. In law, it was Yale second, then Stanford, Michigan, Chicago, Berkeley, Columbia, Penn, Virginia and UCLA.

Press named science advisor

Frank Press, chairman of the department of earth and planetary sciences at MIT, has been selected as the new science adviser to President Carter. The new appointee is a seismologist who served as a delegate to the 1959-61 Nuclear Test Ban Conference in Geneva and was a member of the now defunct President's Science Advisory Committee.

Staff Vacancies

The following vacancies for positions classified as staff-exempt or staff non-exempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m., **Apr. 7, 1977. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

EDITORIAL ASSISTANT — Hershey. Responsible to the Chairman of Microbiology to assist with the preparation and editing of manuscripts for journals, brochures, catalogs, special articles, special reports, research studies, and other printed materials. Bachelor of science degree in English, journalism, science or other appropriate field. One or two years of experience writing for journals and magazines, or equivalent

ADVISOR COUNSELOR — York. Maintains overall responsibility for all academic advising (Degree, Provisional, Non-degree). Responsible for DUS advising. Maintains and updates campus files on academic programs and policies in the Academic Career Information Center for students and advisors. Conducts Freshman Testing, Counseling and Advising Program. Provides counseling services for students with academic, career, and personal problems. Maintains DUS files on students. Coordinates York Campus Program for high school seniors, conducts career placement activities, determines the number of terms students can remain at York Campus. Determines advisor-advisee assignments. Performs other duties as assigned by Associate Director for Academic Affairs. Master's degree, plus one to two years of experience in academic advising and counseling.

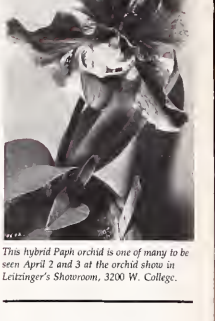
In addition to the attached vacancies, there are positions in certain work units that, because of the large number of such positions, frequently are still available after employees in the work unit have been considered. They are listed below and will not be listed on an individual vacancy basis. Application for such positions may be made at any time, and you are welcome to make your interests known now to the Employment Division for future consideration when such vacancies occur. These positions are.

POSITION TITLE	LOCATION
Staff Nurse	Hershey
Licensed Practical Nurse	Hershey
Medical Technologist	Hershey
Clinical Laboratory Assistants	Hershey
Medical Laboratory Technicians	Hershey
Jr. Research Technicians	Hershey
Sr. Research Technicians	Hershey
Research Technicians	Hershey
Radiologic Technologists	Hershey
Assistant Food Supervisor	Food Services
Nutrition Aide	Agriculture Extension
Residence Hall Coordinator	Student Affairs
Assistant Coordinator	Student Affairs

Applications for staff vacancies are considered without regard to sex, color, religion, national origin, handicap (as provided by law), sex, or status as disabled or Vietnam era veteran.

Supreme Court to review UC-Davis admissions case

The Supreme Court has agreed to determine the constitutionality of a university admissions program that gives preference to members of minority groups. The University of California is appealing a lower-court decision that struck down a special admissions program at Davis's medical school.



This hybrid Paph orchid is one of many to be seen April 2 and 3 at the orchid show in Leitzinger's Showroom, 3200 W. College.

Staff pool established

The University annually receives grants for projects designed to fulfill specific research responsibilities.

Such research grants or projects are normally of fixed duration and are sometimes of relatively short duration. In most instances, University project administrators must react quickly in making selections of staff personnel for their projects. Therefore, it is desirable to have an available pool of faculty and staff members who are interested in applying for research staff positions.

This announcement is made so that qualified individuals may make their interests known. The types of research staff positions typically available are: Senior Project Associate, Project Associate, Project Assistant, Senior Research Technologist, Research Technologist and Research Technician.

The types of discipline background required vary depending on the projects involved. They may include physics, engineering, agriculture, mathematics or chemistry, but they are not limited to these areas.

If you apply, your name will be placed in the pool of candidates that will be considered as such opportunities arise. An announcement similar to this will be made each six months.

If you feel that you are interested in and have background related to typical University research projects, you may apply now or in the future for such research support staff positions by calling the University's Employment Division, 865-1387 (network 475-1387).

From the Press

A Hair of the Dog: Irish Drinking and American Stereotype, by Richard Stivers. 208 pages. $13.50.

Dr. Stivers takes sharp issue with Daniel P. Moynihan's assertion in *Beyond the Melting Pot* that there is an "Irish tendency to alcohol addiction." He contrasts a low rate of alcoholism in Ireland with the extremely high rate among Irish-Americans from the mid-19th to early 20th centuries. The study attempts to situate Irish drinking patterns and temperance movements within the larger context of an historically changing Irish culture and social structure. Dr. Stivers teaches sociology at Illinois State University.

Attitude Psychology and the Study of Public Opinion, by Forrest P. Chisman. 253 pages. $13.50.

This book seriously questions the assumptions underlying modern studies of voting behavior on the grounds that researchers have neglected the impact of issues as individual voters perceive them. According to Dr. Chisman, who is associate director, Program on Communications and Society, Aspen Institute for Humanities, the relationship of public opinion to government decision making is also unexplained. His critical analysis of political behavior studies is important not only to specialists but also to the journalists and politicians who may be influenced by them. Dr. Chisman's late father, Henry, was a professor of forestry at Penn State.

Freedom in America: a 200-Year Perspective. Edited with an Introduction by Norman A. Graebner. 269 pages. $12.50.

Fourteen concerned scholars acquaint readers with the history, nature and significance of freedom in America since the Declaration of Independence. The book is an outgrowth of Penn State's Bicentennial project, Freedom: Then, Now, and Tomorrow. Contributors include: Pauline Maier, Gordon S. Wood, Merrill D. Peterson, Paul K. Conkin, Don E. Fehrenbacher, Robert K. Murray, Hans J. Morgenthau, Henry J. Abraham, Patricia Roberts Harris, Harold Rosenberg, Thomas C. Cochran, Barry Commoner, Victor C. Ferkiss and Dr. Graebner.

Black Women in Nineteenth-Century American Life: Their Words, Their Thoughts, Their Feelings. Edited with an Introduction by Bert James Loewenberg and Ruth Bogin. 368 pages. Cloth, $16.95, paper, $7.95

Two dozen black women leaders of the past century are represented in this volume with selections from their writings and a general introduction relating them to their forebears in colonial times and their present day descendants. Selections are grouped in four parts, emphasizing family relationships, religious activities, political and reformist movements and education. The women came from both North and South; ten were born free, eight were freed before the Civil War and six were freed by the Emancipation Proclamation.

April 7, 1977 Volume 6, Number 10

Penn State Intercom

News in Brief

Fall term date advanced

New students will report to the University Park Campus of the University next fall on Monday, Aug. 29, rather than on Tuesday, Aug. 30, as previously announced.

The new date, explains Dr. Robert E. Dunham, vice-president for undergraduate studies, will provide more time for advising, testing, and for meetings with the deans of the Colleges before registration, which is scheduled for Wednesday, Thursday and Friday, Aug. 31, Sept. 1 and 2.

The addition of another day to the week of orientation and advising also will lessen the time pressure experienced by the new students, who include, in addition to freshmen, transfer students from other campuses of the University and students transferring with advanced standing from other colleges and universities.

Fall term classes will begin at 8 a.m. on Tuesday, Sept. 6, as originally scheduled, after the Labor Day holiday on Monday, Sept. 5.

Continuing students will return on Aug. 30 as previously scheduled

Submit reserve lists

Reserve reading lists for summer term 1977 should be submitted to the Reserve Reading Room, W11 Pattee on or before April 21 to allow ample time for processing. Lists received after the deadline will be accepted only if material requested is not needed until the beginning of the third week of classes; all reserve lists will be processed strictly in order received. Only required readings, which will circulate either for a two-hour period or for an overnight loan period, will be placed on reserve. Typewritten lists should be submitted on reserve forms, which are available by mail or in person from the Reserve Reading Room, W11 Pattee.

Two Alumni Fellows visiting

Two 1977 Alumni Fellows are visiting at University Park this week. Barbara Hackman Franklin, commissioner of the U.S. Consumer Product Safety Commission,



Franklin *Dougherty*

will be on campus through April 13 as the Fellow of the College of the Liberal Arts. Manon Dougherty, vice president for talent, Paramount Pictures, is scheduled to remain through April 14 as the College of Arts and Architecture's Fellow. They are meeting with students, faculty and administrators to share their experiences and expertise in formal and informal sessions.

(Continued on page 4)



Despite temperature changes, the daffodils are out at University Park.

Universities must nourish "inner needs of the person," Bailey tells conference

Over the next several decades, liberal arts colleges will have to concentrate less on training students for specific careers and begin stressing the liberal arts' power to enhance the quality of personal existence.

This was the theme of an address by Dr. Stephen K. Bailey, vice president of the American Council of Education, at the opening session of the Liberal Arts Spring Conference Sunday evening.

Dr. Bailey said that Americans born in the second half of the 20th century will live longer than their parents and be less likely to find creative work to fill their hours. Because of that, he said, universities must "nourish the inner needs of the person."

"We [liberal arts educators] are on the horns of a dilemma," Dr. Bailey said. "Our clientele — students, parents, and legislators — are intent on the practical utility of education."

In spite of claims to the contrary, Dr. Bailey said, the liberal arts are both useful and practical when seen in the light of preparing people to cope with the mundane realities of life. A truly useful education, he pointed out, is one that helps people to anticipate the major changes in their lives and to prepare for them.

According to Dr. Bailey, most Americans born in the second half of the 20th century will live substantially beyond today's average of 70 years. Noting that everyone experiences physical and psychological changes in the process of maturing and aging, he challenged his listeners to address the problem of helping people cope with those changes. A liberal education, he said, should prepare people to use well all of their waking hours, not just the 20 percent (in the course of a lifetime) devoted to work.

Dr. Bailey also pointed out that education will have to take over some functions once fulfilled by work, since many people will be unable to find challenging jobs.

"Eighty percent of the available new jobs in the United States can be manned by people with a high school education and three weeks of training," he said. "In the future, work will have to be viewed as only one part of life."

According to Dr. Bailey, one of the greatest challenges now facing liberal arts colleges is the need to impart both specialized and general knowledge. Noting the current trend to specialization, he said, "We need to turn out more than just technicians. This nation is woefully short of people equipped to look at an idea or a situation as a whole, instead of in small parts."

Advance copies of the four major addresses at the Liberal Arts Spring Conference were available to INTERCOM. Summaries of their contents appear on page 3.

Dr. Bailey said that interdisciplinary courses of study should be considered, in some cases, as an antidote to specialization.

He also said that many current liberal arts activities are more practical than critics claim. But he added that faculty members need to do a better job of explaining the value of a liberal education.

"It isn't being defended aggressively now," he said.

Dr. Bailey's address was preceded by remarks by Dr. Stanley F. Paulson, dean of the College of the Liberal Arts. He said the issues that sparked the conference are numerous: declining numbers of traditional students, fewer job opportunities for graduates, a broadening range of student aptitude levels, and changing priorities for federal research funding.

Dr. Bailey was introduced by Dr. Stanley O. Ikenberry, vice president for University development and relations.

Faculty votes to reject unionization

Penn State's faculty voted by a substantial majority last week to reject representation by a faculty union.

In the election conducted by the Pennsylvania Labor Relations Board (PLRB), 60 percent of eligible faculty voted in favor of "No Representative," while the other 40 percent divided between the Pennsylvania State University Professional Association (PSEA-NEA) and the American Association of University Professors (AAUP).

Commenting on the vote, President Oswald said:

"The faculty is to be congratulated in that an overwhelming majority of those eligible (over 93 percent) voted on this important matter. I am, of course, pleased that the decision clearly indicated a desire to sustain the current collegial system of academic relationships.

"We all, I know, share a renewed responsibility to work together to improve, wherever necessary, our current forms of governance and to promote even more effective faculty/administration relationships. I reaffirm my commitment to work with the faculty to strengthen our collegial system."

Results of the balloting as announced last Friday by the PLRB were: PSUPA, 642; AAUP, 500; and No Representative, 1,712, for a total vote of 2,854. There were 49 ballots challenged and one void ballot.

The counting was handled by the PLRB, and ballots from all University locations were counted together. There was no tabulation for any individual election site.

Funke to deliver Dotterer lecture

Dr. Gerhard Funke, professor of philosophy at the University of Mainz, Germany, and currently visiting professor at the New School for Social Research, will deliver a Ray H. Dotterer Memorial Lecture at 8 p.m. Thursday, April 14, in the Hetzel Union Bldg. assembly room.

His topic is "Practical Reason in Husserl's Phenomenological Epistemology."

Dr. Funke is a member of the Academy of Sciences in Mainz and editor of *Kant-Studien*, one of the oldest German philosophical journals. The main theme of his research is the relationship between the humanistic studies and the sciences. His book *Gewohnheit (Habit)* develops the idea of the history of concepts from Aristotle to Heidegger.

The lecture series honors the late Dr. Dotterer who served as the first head of the Department of Philosophy at the University from its organization in 1938 until his retirement with emeritus rank in 1947.

Faculty Notes



Jefferson D. Ashby, an advisor in the Division of Undergraduate Studies, recently received a 25-year service award. Dr. Ashby joined the University in February 1952 as assistant to the director of the Division of Intermediate Registration.

He was assistant to the dean of men, Southern Illinois University, before coming to Penn State. He received his B.S. and M.S. degrees from Southern Illinois University, and his Ph.D. from Penn State.

During his years here, Dr. Ashby has taught in the Department of Psychology, been director for research in the Division of Counseling, and done extensive consulting work for U.S. government agencies and other universities. He has published numerous technical papers on his research in clinical psychology and counseling and guidance.

Dr. Charles Redenius, associate professor of political science at Behrend College, has been awarded a National Endowment for the Humanities Fellowship in Residence for College Teachers. He plans to attend a seminar given by C. Herman Pritchett, of UC-Santa Barbara, on The Supreme Court and Constitutional Change and to do research on a project on Supreme Court opinions and changing directions in American political philosophy. Dr. Redenius recently presented a paper, "The Philosophy of the Enlightenment and the Ideology of Fascism," at the 81st annual meeting of the Michigan Academy of Sciences.

Dr. Hans A. Panofsky, Evan Pugh Professor of Atmospheric Sciences, has been elected a fellow of the American Association for the Advancement of Science. In addition, Dr. Panofsky recently presented two lectures at the University of Utah, "Threats to the Ozone Layer" and "The Effect of Clear-Air Turbulence on the General Circulation."

Robert H. Gannon, assistant professor of English, is the author of an article, "The Alaska Pipeline," in the April issue of Popular Science, for which he serves as a consulting editor. This is the second on-the-scene report Mr. Gannon has prepared on the project for the magazine.

Dr. Beverly Lindsay, assistant professor of education in the Division of Education Policy Studies, presented a paper on "The Black Woman in America. Education and Employment" at the annual conference of the Association for Social and Behavioral Scientists in Atlanta, Ga., last month.

C.B. Manula, associate professor of mining engineering, presented a paper, "Total System Application," at a recent U.S. Bureau of Mines technology transfer meeting on advanced techniques for coal mine planning.

A one-man show of 30 recent watercolors by **Yar G. Chomicky**, professor of art education, is on exhibit through April 12 in the John Marsani Gallery of the University of Northern Colorado. The exhibit is the first major showing at the gallery of a contemporary artist from outside the Rocky Mountain region.

Dr. Thomas A. Hale, assistant professor of French and comparative literature, was elected to a second two-year term as secretary-treasurer of the African Literature Association at the association's annual meeting in Madison, Wisc., March 23-26. He is one of the group's founders. Dr. Hale also co-authored a paper at the meeting, "The Problem of Africanisms in African Literature."

Dr. Patricia A. Ward, assistant professor of French and comparative literature, is the author of an article, "Hugo's Private and Public Persona in *Les Chansons des Rues et des Bois*," published in *L'Esprit Createur*.

Dr. Ronald Abler, professor and head of the Department of Geography, will receive a publication award from the Geographic Society of Chicago for his work as co-author of the text of *A Comparative Atlas of America's Great Cities: Twenty Metropolitan Regions*.

Researchers from Belgium and Korea are visiting the Department of Physics. **Dr. Amand A. Lucas,** head of the Department of Physics, University of Namur, Belgium, was appointed adjunct professor of physics, effective Jan. 1. The author or co-author of over 50 scientific publications, he is affiliated on a permanent basis with the International Centre for Theoretical Physics, Trieste, Italy, and has had active research collaboration with **Dr. Paul H. Cutler,** professor of physics at Penn State. **Dr. Hi Sung Song,** assistant dean of the College of Natural Science, Seoul National University, Korea, is spending six months at Penn State as visiting professor of physics. His visit is sponsored by the Seoul National University—U.S. Agency for International Development Graduate Program of Basic Sciences. During his visit here Dr. Song will collaborate on research with **Dr. Roland H. Good Jr.,** professor and head of physics.

Dr. Charles S. Prebish, assistant professor of religious studies, has co-authored an article, "Mahasamghika Origins: The Beginnings of Buddhist Sectarianism," which appeared in the February issue of History of Religions. His co-author was Janice J. Natter of Harvard University.

Obituaries

P. Boyd Kapp, who retired in 1957 as professor emeritus of engineering mechanics, died March 28 at the age of 79. He joined the Penn State faculty as instructor in engineering mechanics in 1920, the year he received his B.S. from the University and continued for 37 years on the faculty.

Rexford E. Carter, retired Fayette County agricultural agent on the University's Cooperative Extension Service staff, died March 25. He was 69. Mr. Carter, who served 43 years a a member of the University staff, retired in 1973.

A native of Susquehanna County, he received a B.S. from Penn State in dairy husbandry in 1930 and an M.Ed. in Extension education from Colorado State University in 1960. A pioneer in Extension Service rural areas development work, Mr. Carter received a USDA Superior Service Award in 1963. He was president of both the Pennsylvania and National Associations of County Agricultural Agents.

A biologist's views on writing

Editor's Note: **Dr. Robert L. Butler,** *professor of biology, was inspired by the recent Senate debate over remedial education to prepare the following article.*

After much discussion, writing and thought, a University committee has decided that PSU should engage itself in remedial education. I have always considered this to be one of my responsibilities at the University, and would like to share some of the philosophy and discipline I use in an attempt to remedy what I hear and read.

Good writing is a skill that must be practiced. It must not only be practiced, but it must be reinforced through the reading of good writing. "If your reading matter is and has long since been chiefly scientific journals, you will not be able to avoid imitating (and perpetuating) their beastly style, and your vocabulary, apart from scientific termunology, will be stunted."*

As a group, scientists emphasize research — not its communication. Whatever time is necessary will be devoted to perfecting scientific techniques, but the communication of results is expected to take care of itself. Although colleagues will laboriously read poorly written material in hope of gaining some new understanding, those outside the circle of a specialty may not make the effort. Each scientist should concentrate on writing for others not familiar with the details of his field. Thus, he gains not only a larger audience but his colleagues will find more delight in reading his papers. Although his ideas are of first importance, the manner in which he states his ideas wins followers. Rules of grammar must be followed, especially so as to avoid misstatements.

If the results of research are important, then one should expect an expression of the major findings in the first sentence of a results section. There is a need in the reader's mind to find in the first sentence an answer to the major question posed in the introduction. Instead, I often find such empty expressions as "Table 1 summanzes . . ." or "Figure 1 shows the results . . ." and "The statistical tests indicated," etc. These expressions at the beginning of a paragraph contain no information. They make no definitive statement about the subject of the research. Furthermore, tables cannot "summarize" and figures cannot "show." They are mere black and white scratchings on the surface of paper, an abstraction of observations made. The writer has the responsibility of making a statement of what he thinks those tables or figures mean to him. He may present reference to tables and figures, preferably in ( ), as evidence of what he thinks he has seen. The reader should not be directed to view tables or figures until the writer has made the obvious statements of evidence

To meet the need of definitive statements, I require a student to present a topic sentence outline of his paper or thesis before I see any part of his final draft. A topic sentence outline is a sequence of complete sentences, each of which corresponds to a paragraph. Most often each sentence serves as the first sentence of each paragraph. It cannot allude to information; it must speak *specifically* to the one main idea of the paragraph. It may often include cogent data. The sentence should not contain the minutia, qualifications or exceptions. Important information should be within the subject and verb of the sentence, not hidden in a modifying clause.

Nouns and verbs should be used that convey information, not those that allude to information. Avoid talk about talk, e.g.: "The results of this study are particularly interesting when compared with the results of similar experiments." Obviously, there is no information in the subject and verb, as well as the modifying phrase, of this sentence. The statement is not an appropriate introduction to the facts.

The topic sentence outline reduces embarrassment for both advisee and advisor. It facilitates agreement between the two parties prior to actual writing. I have found that the topic sentence outline commits me to the student and the student to me. I understand his thunking, his major goals and findings. If a statement is not of adequate clarity, we can discuss it prior to his writing, by referring to his tables, figures, experience, and the literature he has read as noted in his list of references. Development of a topic sentence reduces the reinforcement of poor writing. It achieves a desirable end with minimum rancor, greater satisfaction; and it saves time

When I hear that a student has wasted his time as well as his advisor's in rewnting his thesis four or five times, I'm certain that (1) the faculty advisor doesn't know what he wants; (2) he has no understanding of how his writing or thinking relates to that of his student; (3) he is not helping to teach writing as it relates to logical thinking; or (4) there is no hope, the student is beyond redemption.

Improper grammar is common in most scientific journals. Improper grammar often conveys misinformation. I suspect many of the common mistakes in grammar have been an outgrowth of the use of passive voice and the third person. Some types and examples of common errors are as follows.

Dangling modifiers are so common they appear to have gained some measure of respectability; however, they remain completely unacceptable. Dangling modifiers that we learned in our studies of English composition are always obvious. "Having eaten our lunch, the boat departed"; or "Having come of age, my father permitted me the use of the car." Those used in the scientific literature too often go unrecognized. "Summanzing these data, it can be seen . . ."; "To calculate the variance, the sums should be . . ."; or "Due to an error in sampling, the results were . . ."

Too often the use of demonstrative pronouns (this, these, those) refers to antecedents (a word or phrase to which a pronoun refers) that are not clear. Use caution in having a demonstrative pronoun as a subject of a topic sentence. It may not be clear to what it refers

Avoid the noun-adjective syndrome. The U.S. Government has developed thus to a colossal and a contagious scale, e.g., "Energy Minerals Actvity Recommendation System."

Avoid the current barbansms of language that stick the word "wise" on the end of nouns. "costwise," "controlwise," etc.

Use care in parallel construction, e.g., "My system is practical to use in breeding fish, biological laboratories, and for use in fish farming, the industry of the future, for a good source of protein, very much needed through the entire world to help eliminate starvation and for better health." This statement came from an advertisement by an engineer who had developed a fish aquarium with an automatic self-cleaning and self-aerating system. The cost of biological laboratories has always been excessive, but this is the first time I've seen a system that not only breeds fish but also biological laboratories.

The quotation above is also a poor stream of consciousness. I call this "shack building" of sentences. Shack building of sentences is characteristic of attempts to include many unrelated ideas in a sentence. Stream of consciousness writing, if well done, may appear to be without structure. However, its development requires considerable practice and facility. I see no logical reason for the use of stream of consciousness in scientific writing.

In brief the topic sentence is the key to good scientific writing. It requires the reading of good writing, thought prior to writing, and sufficient grammar to make the content clear. The discipline of writing has been summarized by Bacon, "Reading maketh a full man, conference a ready man, and writing an exact man."

*Quince, Peter, 1959. *How To Write An Article. Perspectives in Biology and Medicine*, Vol 11(3): 221-223.

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Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Application to mail at second-class postage rates is pending at State College, Pa. 16801

University Park Calendar

Special Events

Thursday, April 7
International Student Association Lecture. Graham Spanier on "Marriage in the U.S.A.," 7:30 p.m., Room 101 Kern.
University Theatre, "Jazz Dance Theatre in Concert," 8 p.m., Playhouse Theatre

Friday, April 8
Sports: Men's and women's track, Nittany Lion Relays.
University Theatre, "Jazz Dance Theatre in Concert," 8 p.m., Playhouse Theatre.

Saturday, April 9
G.S.A. Easter Egg Hunt, 10 a.m., Kern lobby.
Sports: Women's softball, vs. Temple, 1 p.m.; men's golf, vs. George Washington, 1 p.m., men's tennis, vs. Colgate, 2 p.m.; men's and women's track, Nittany Lion Relays.
University Theatre, "Jazz Dance Theatre in Concert," 8 p.m., Playhouse Theatre
Last date for final oral doctoral exams for May graduates
Last date for May graduates to deliver masters' theses or papers to adviser.

Sunday, April 10
Community Easter Sunrise service, Rev. David L. Hadden, State College Presbyterian Church, 7 a.m., Old Main lawn.
P.S.O.C. Hiking Division, hike around Black Moshanon Lake, 9 a.m., HUB parking lot.
The All-Faith Choir, Tommie Irwin, Director. A service of Easter music, 11 a.m., Music Bldg. recital hall.
PSU Sports Car Club Autocross, noon, parking lot 80.
Easter Buffet, 12:30-2:30 p.m. and 6-8 p.m., Nittany Lion Inn.
Sports: Women's track, Nittany Lion Relays.

Monday, April 11
Political Science coffee hour, 3:30 p.m., Room 101 Kern.
French film, *A Gentle Creature*, 7 and 9 p.m., Room 112 Kern.
Aristotelian Society meeting, 7:30 p.m., Room 2 Faculty Club.
History of Photography Week Lecture Estelle Jussim, Simmons College, on "Photography, Wood Engraving and the Art of Illusionism," 8 p.m., Zoller Gallery.
Ronald Arden, viola, and Cynthia Arden, violin, 8:30 p.m., Music Bldg. recital hall.

Tuesday, April 12
Pittsburgh Symphony Residency, Eisenhower Auditorium.
G.S.A. bike repair workshop, 11:30 a.m., Kern lobby.
Comp. Lit. Luncheon, 12:15 p.m., Faculty Club. Phil Klass on "My Six Martians."
Sports: Men's baseball, vs. Bucknell, 3 p.m.; women's lacrosse, vs. Brockport, 3 p.m.; women's softball, vs. Brockport, 1 p.m.; women's tennis, vs. Pittsburgh, 1:30 p.m.
Shakespeare Film, *Hamlet* (Olivier), 6:30 p.m., Room 101 Chambers Free admission

Wednesday, April 13
Pittsburgh Symphony Residency, Eisenhower Auditorium.
College of Education Lecture and brown bag lunch. Robert Carlson on "Adult Education," noon, Room 101 Kern.



Byron McCulloh – the Alard will premiere his Quartet No. 2 on April 13.

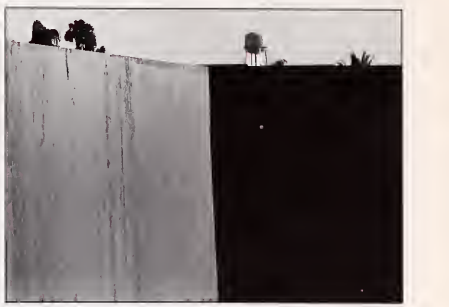
Sports: Men's golf, vs. West Virginia, 1 p.m.
Department of Architecture Lecture. Elia Zenghelis on "Exodus of the Voluntary Prisoner of Architecture," 7:30 p.m., Room 108 Forum.
G.S.A. Commonsplace Theatre, *Psycho*, 7:30 and 9:30 p.m., Room 112 Kern.
History of Photography Week Lecture. H. K. Henisch on "The Non-Objective Photograph," 8 p.m., Zoller Gallery.
University Theatre, student preview, *A Doll's House*, 8 p.m., Pavilion Theatre.
Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.

Thursday, April 14
Pittsburgh Symphony Residency, Eisenhower Auditorium
Shakespeare Symposium, "*King Lear*: Our Contemporary?" all day, beginning at 9:30 a.m., Room 112 Kern.
Lutheran faculty forum, noon, Room 101 Kern.
Economics faculty meeting, 3 p.m., Room 101 Kern
Sports: Women's softball, vs. Ithaca, 3 p.m.
Federation of Puerto Rican Students film, "Our Latin Thing," 7 p.m., Room 112 Kern
Wildlife Society Lecture. A. Scott Krug, National Wildlife Federation, on "Encouraging Public Support of Conservation," 7:30 p.m., Room 301 Ag. Admin. Bldg.
Archaeological Institute of America Norton Lecturer, Emeline Richardson, University of North Carolina at Chapel Hill, on "Anadne in Italy," 8 p.m., Room 101 Kern.
Department of Philosophy Second Dotterer Lecture. Gerhard Funke, University of Mainz, on "Practical Reason in Husserl's Phenomenological Epistemology," 8 p.m., HUB assembly room.
University Theatre, *A Doll's House*, 8 p.m., Pavilion Theatre.
Artists Series, Pittsburgh Chamber Orchestra, 8:30 p.m., Schwab

Friday, April 15
Penn State Scholars Program.
Pittsburgh Symphony Residency, Eisenhower Auditorium.
Shakespeare Symposium, "*King Lear*: Our Contemporary?" all day, beginning at 9:30 a.m., Room 112 Kern.
Sports: Men's tennis, vs. East Stroudsburgh, 2 p.m.
Federation of Puerto Rican Students film, "Our Latin Thing," 7 p.m., Room 112 Kern.
History of Photography Week Lecture. Van Deren Coke, University of New Mexico, on "Photography's Answer to Art Deco and Surrealism," 8 p.m., Zoller Gallery.
University Theatre, *A Doll's House*, 8 p.m., Pavilion Theatre.
Artists Series, Pittsburgh Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Saturday, April 16
Penn State Scholars Program.
Pittsburgh Symphony Residency, Eisenhower Auditorium.
Sports: Men's tennis, vs. Swarthmore, 1 p.m., men's track, vs. Kent State
University Theatre, *A Doll's House*, 8 p.m., Pavilion Theatre.
Artists Series, Pittsburgh Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, April 17
P.S.O.C. Hiking Division, exploration near Loop Fire Tower in SGL 118, 9 a.m., HUB parking lot.
University Chapel service, 11 a.m., Eisenhower Chapel. Rabbi Elazar Grafstein, Hillel Foundation
Sports: Men's tennis, vs. Haverford, 2 p.m.
Reception for the exhibit, "Growing Forms" by Philip Grausman, sculptor, 3-5 p.m., Museum of Art.
Charles Noble, piano, 3:30 p.m., Music Bldg. recital hall.



This photo by Richard Stoner is part of the Intrisions show in Zoller

Exhibits

Chambers Gallery: Jamaican Child Art
HUB Gallery: Smithsonian Exhibition, "Ride On", a bicycle exhibit.
Kern Commons Gallery: Rotogravure prints from the Herald Tribune, 1926-1932; Margery Johnstone and Jean Jiddings, rugs and weavings; Sylvia Rogers, patchwork quilts.
Museum of Art: Ancient Glass — Classical, Sassanian, and Islamic; abstract paintings and prints from the permanent collection.
Pattee Galleries: Art History Department exhibit on historic preservation, Main Lobby, Jim Mastelli, drawings, East Corridor Gallery; Mike Lucas, drawings, Lending Services Lobby, Fay S. Lincoln, photographer of Williamsburg, from the Penn State Historical Collection, Rare Book Room, opens April 11.
Zoller Gallery: Student drawing and printmaking, through April 10; Invisions and History of Photography, opens April 11.

Seminars

Friday, April 8
Remote Sensing, Melvin H. Podwysocki, Goddard Space Flight Center, on "Discrimination of Rock Types by Analysis of Landsat and Aircraft Digital Data," 9:30 a.m., Room 124 Sackett.
Agronomy, A. L. Page, University of California at Riverside, on "Trace Metal Problems Associated with Recycling of Nutrients in Sewage Sludge," 10:45 a.m., Room 301 A & B, Ag. Admin. Bldg.
Physical Chemistry, Philip M. Becker on "The Finite Earth," 4 p.m., Room 333 Whitmore.

Monday, April 11
Plant Pathology, Fred Morgan on "Vertical Pathosystem Management: A Modest Proposal," 9:45 a.m., Room 213 Buckhout
Architecture and Urban Planning, Michael L. Pillet, University of New Mexico, on "Pueblo House Design as a Response to the Arid Zone Climate," 2 p.m., Room 318 Sackett.
Biochemistry and Biophysics, Clyde A. Hutchinson, III, University of North Carolina, on "Overlapping Genes in Bacteriophage ϕX 174 DNA," 4 p.m., Room 101 Althouse
Computation Center, "APL (2)", suggested for users of research accounts, 7:30 p.m., Room 108 Forum.

Tuesday, April 12
College of Science "Contemporary Topics, Robert L. Butler, Biology, on "Fish Protein: Its Nutritional Quality and Production in Small Technology," 12:45 p.m., Room 101 Althouse.
Analytical Chemistry, A. Robbat on "Continuous Flow Approach to Automated Analysis," 1 p.m., Room 333 Whitmore.
Remote Sensing, Eva Tucker, Behrend College, on "Classification Mapping of Presque Isle, Pa., from Landsat Data," 1 p.m., Room 225 Electrical Engineering West.
Solid Waste Management, Bruce L. Morton, McFarland Johnson Engineers, Binghamton, N.Y., on "Operation of a Sanitary Landfill," 2:20 p.m., Room 124 Sackett
Anthropology, Pedro Armillas, University of Illinois at Chicago, on "Aztec Aquanan Landscape," 3:30 p.m., Room 101 Kern.
Chemical Engineering, D. Leng, Dow Chemical Co., on "Agitation and Mixing — An Industrial Viewpoint," 3:45 p.m., Room 140 Fenske
Astronomy, Frank Dachille on "Meteorites: Shooting Stars to Earth-Shaking Catastrophes," 4 p.m., Room 145 Davey.
Inorganic Chemistry, Speaker from Vanan Associates on "Optimization of Spectral Parameters," 8 p.m., Room 333 Whitmore

Wednesday, April 13
Fuel Science, A. G. Sharkey, Jr., PERC, Pittsburgh, on "Application of Mass Spectrometry to Coal Derived Fuels," 4 p.m., Room 301 Mineral Industries.
Economics, Thomas Humphrey, Federal Reserve Bank of Richmund, on "Some Current Controversies in the Theory of Inflation," 7:30 p.m., Room 101 Kern.

Thursday, April 14
Ceramic Science, B. J. Pletka, NBS, on "Failure Prediction in Ceramics Using Fracture Mechanics/Strength Techniques," 11 a.m., Room 201 Mineral Industries
Chemistry, Velmer A. Fassel, Iowa State University, on "Those Elusive Tracers," 12:45 p.m., Room 333 Whitmore.
Physics, J. William Doane, Kent State University, on "Orientational Order in Liquid Crystals," 3:50 p.m., Room 117 Osmond.
Transportation Institute, William Millar, PennDOT, on "Paratransit's Role in Transportation Systems Management," 3:55 p.m., Room 111 Boucke.
Ecology, Robert Ricklefs, University of Pennsylvania, on "Morphological Approaches to the Study of Community Organization," 4 p.m., HUB assembly room.
Computation Center, "APL (3)," suggested for users of research accounts, 7:30 p.m., Room 108 Forum.

Friday, April 15
Population Issues Research Office/Political Science, Leo Orleans, Library of Congress, on "The State of Demographic Research on China: An Assignment," 3:30 p.m., Room 341 Deike.

Liberal arts

(Continued from page 3)

Gregg

According to Or. Gregg, anxiety caused by current employment trends may result in over-reaction by students who flood academic areas which appear to lead to employment.

"This occurred a few years ago when employment opportunities in engineering dropped drastically," he said. "There came a corresponding decline in engineering enrollments."

Or. Gregg said that although there is now a shortage of engineers, students have moved back into the field, and some projections now forecast a surplus of engineers in the 1980s.

Or. Gregg opened his presentation by quoting what he called "the one immutable fact" underlying the conference: that over the next decade, colleges and universities will find the potential pool for traditional college-age students significantly reduced.

"Neither wishful thinking nor a significant recovery in the nation's economy can alter the decline in the birthrate which is now beginning to affect the future of higher education," he said.

From 1932 to 1946, he said, 40 million people were born. From 1947 to 1961, there were 60 million births.

But from 1962 to 1976, Or. Gregg said, there were only 54 million births and that fact, along with an end to the draft, higher tuition, and a changing job market will significantly reduce the number of traditional college students over the next ten years.

Noting that some of the loss will be made up by an increase in non-traditional students — part-time students, non-degree students, and others — he said: "In 1972, for the first time, approximately half of the students in institutions of higher education participated on a part-time basis. And in 1970, 42.5 percent of the entire college population was 22 years old or older."

Penn State. Or. Gregg said, could experience a 15 percent decrease in traditional students in the 1980s but may recover half of that enrollment decline through nontraditional students.

In the face of these enrollment shifts, he pointed out three areas of concern which warrant the immediate attention of liberal arts faculty members

He noted that in the future more student credit hours will be generated from outside the College than from within it. That trend, he said, will make it necessary to examine the ways in which liberal arts courses and programs relate to the programs and courses of other colleges.

He also said that with a possible increase in the numbers of non-traditional students, it may be necessary to rethink the traditional structuring of education. And, Or. Gregg said, it is necessary to study anew what it is that uniquely constitutes a liberal arts education.

"Clear headed answers to that can delineate those skills which all students, those majoring in liberal arts and those coming from other colleges, can acquire which will benefit them as they continue through a lifetime of learning and work," he said.

Arnold

the importance of bringing liberal offerings into the "real world" of tomorrow's students

"It seems to me we need immediately to set to work some task forces to study what advanced programs of special and interdisciplinary study are appropriate for people who must live and support themselves in the worlds of business, government and general services," he said. Some of these programs have already been defined in such areas as economics and public administration, but they are less clearly known in the humanities.

"I wish I saw our options in graduate education more clearly; I don't," Or. Arnold confided. "But it doesn't seem possible that graduate study can continue unchanged."

Martin

scholarly activity and research are important to excellence, a new respect for teaching must be developed. Innovation in teaching, excellence in teaching, curricular improvement, working for collegial goals must be more obviously rewarded. Personal renewal, whether by exchange of positions (inside or outside the University) or shorter regular leaves will need to become part of the system, particularly since such actions may be the only ways the Collegium can bring in new blood."

Can technology help the college face the future?"Technology can do neither more nor less for us than we enable it to do," Mr. Martin pointed out

Computers, for example, can be a technological resource, but they also present fascinating legal and moral problems in regard to control of information. Studies of these problems could make computers not only "ancillary aids, or servants but also the object of research."

"There is a persistent demand for literate students, students who can read, write and count reasonably well, who are not so specialized as to be generally useless, and yet not so thinly spread as to have no knowledge or skills in depth," Mr. Martin concluded. "There is also demand for career preparation. This demand is not antithetical to the maintenance of standards, nor to the importance of the discipline. As the discipline gives substance to the role of the faculty as an institutional member, so the strength of the disciplines within the College can give strength and definition to a liberal education. If we decide to deploy our resources to this end, we can indeed see our way to manage them efficiently and effectively."

Pellegrin

be done on problems thought to be important by the public, in addition to those thought to be important by faculty members.

— That a serious effort be made to remove disparities between what is accomplished and what *should be* accomplished in a good liberal arts program. And

— That faculty members voice strong commitment to the values and traditions of the liberal arts.

"We must be very aggressive in insisting that the liberal arts are of fundamental importance to the welfare of society," he said. Liberal arts educators must abandon their acceptance of the popular assumption that a liberal arts education has a negative effect on a person's ability to earn a living, he concluded.

Elsewhere in Academe

College costs going up

The College Scholarship Service reports that the average cost of attending college next fall will rise 4 percent, the smallest increase in five years. (The jump in 1976-77 was 8 percent.) Resident student expenses next year will average $4,905 at private four-year colleges and $3,005 at public institutions, where tuition is expected to remain relatively stable.

Peer review approved

The peer-review system employed by the National Institutes of Health to appraise research proposals "is and has been extremely effective," according to an 18-month study conducted by a team of executives. The group recommended against allowing peer-review reports to be made public, both to protect the research designs of applicants and to encourage candor on the part of reviewers. The team also suggested creation of an ombudsman office to handle complaints from unsuccessful applicants and inclusion of evaluators from profit-making research organizations on review panels.

Staff Vacancies

The following vacancies for positions classified as staff-exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (outwats line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m. **Apr. 14, 1977. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

SASI COORDINATOR — Division of Admissions, Records, and Scheduling — Responsible for the administration, implementation and control of the SASI (Section Accounting for Students and Instructors) and Degree Audit Systems. Duties include controlling data flow, providing information, answering questions, and solving operational problems associated with both systems. Bachelor's degree in data processing, data analysis, or a related area or equivalent, plus six months to one year of related experience

THE UNIVERSITY IS AN EQUAL OPPORTUNITY, AFFIRMATIVE ACTION EMPLOYER

News in brief

(Continued from page 1)

China expert to speak

Leo Orleans, a China specialist with the Library of Congress, will speak on "The State of Demographic Research on China: An Assignment" at 3:30 p.m. on Friday, April 15, in Room 341 Deike Bldg. Mr. Orleans has written a number of books and papers on China, primarily in the fields of population, public health and education. In the summer of 1973, he visited China as a member of an American medical delegation. Sponsored by the Population Issues Research Office and the Department of Political Science, the seminar is open to the public.

Watch gas spills

Safety Services reminds faculty and staff that on warm spring and summer days gas tanks which are filled to the brim are liable to overflow If you drive only a short distance after filling up and then park your car in the sun, the heat will expand the gasoline in the tank, forcing the excess fluid out the filler pipe. The gasoline is easily ignited by a spark or a carelessly tossed cigarette. Safety Services also suggests that where parking areas slope, it's a good idea to park with the rear of the car on the higher ground.

Movement education class for children

A movement education class for children from kindergarten through third grade will be sponsored by the College of Health, Physical Education and Recreation. Classes are Thursdays from 4 to 5 p.m. beginning April 14 and continuing through May 12 at White Bldg. A limit of 60 children will be accepted. Registration will be on Thursday, April 14, from 3:30 to 4 p.m. at White Bldg.

Withholding reminder

The Controller's Office wishes to remind those employees who filed a Withholding Exemption Certificate — Form W-4E — for 1976 that this certificate will expire on April 30, 1977, for taxpayers on a calendar year basis. The exemption claimed on Form W-4E must be renewed annually.

If you qualify and wish to continue your exemption, or if you are applying for the first time, you must file a new Form W-4E for 1977. You may claim the exemption from withholding if you had no income tax liability for 1976 and if you anticipate no income tax liability for 1977. Forms are available from the Payroll Department, Room 301 Shields Bldg.

In general the elimination of the withholding applies only to those working part-time. The principal advantage is that it will eliminate the need to file an income tax return at the end of the year to obtain a refund of money withheld.

Mining Engineering leads

For the second consecutive year, Penn State leads all institutions of higher education in the United States in the number of graduate students enrolled in mining engineering. There are 39 candidates for masters' and doctoral degrees in this field of advanced study at Penn State this year, while Columbia University is in second place with 31 enrollees and Colorado School of Mines is third with 27. Source of this information is a survey made recently by the U.S. Bureau of Mines, based on 1976 fall term enrollments.

Penn State is second in the number of undergraduates enrolled in mining engineering with a total of 294, having moved up from third place last year. West Virginia University leads in the number of bachelor of science degree candidates with a total of 387.

Inn offers Easter buffet

The Nittany Lion Inn is planning a special Easter Buffet from 12:30 to 2:30 p.m. and from 6 to 8 p.m. on Sunday, April 10. The menu features roast top round of beef, seafood newburg, baked ham with brandy sauce, baked chicken coq au vin, steamed shrimp in the shell, and baked kolbasi and sauerkraut. There will be a wide array of salads, cheeses and desserts, and Chef Richard Jackson is preparing specially decorated centerpieces for the occasion. The dinner is available at regular buffet prices, $5.95 for adults and $2.75 for children under 12.

Hershey expands neonatal unit

Ribbon cutting ceremonies for an expanded neonatal intensive care unit at Hershey will be held today (Thursday). The renovation project, completed at a cost of nearly $90,000, increases the capacity of the unit from 17 to 27 spaces. More than 1,450 babies have been treated in the unit, which was greatly overcrowded, since its opening in January 1972.

"Living Filter" gets award

The recycling of wastewater sludge research concept, developed and refined at the University over the last 14 years, has received a Superior Achievement Award from the U.S. Environmental Protection Agency. Dr. John C. Frey, director of the Institute for Research on Land and Water Resources, and Dr. William E. Sopper, director of the Wastewater Renovation and Conservation program, accepted the award at a ceremony in Harrisburg.

All-faith Good Friday service

An all-faith Good Friday service of music, hymns, meditation and prayer will be celebrated between noon and 3 p.m. Friday in the Helen Eakin Eisenhower Chapel. Representatives of a variety of campus ministries and student religious groups will participate in the service. The Rev. Charles L. Coleman, program director of religious affairs, invites the public to stop by the chapel any time during the service, which will be structured so as to allow people to come and go as their schedules permit.

Hershey unit approved

Hershey's Division of Gynecologic Oncology has received approval from the American Board of Obstetrics and Gynecology for post residency training. The two-year program in gynecologic oncology is designed to provide the trainee with adequate knowledge and skills in all diagnostic and therapeutic aspects of pelvic malignancies in women.

Funding Sources

For further information, call 865-1372

(265-1) Fiscal year 1977 criteria for selection of applicants for Exemplary Projects in Vocational Education have been published by HEW's Office of Education These final regulations incorporate previous comments (Ref 42FR16141-45, 3/25/77) (CFDA 13 496)

(265-2) Some upcoming deadlines for National Science Foundation Projects are **Ethics and Values in Science and Technology,** 5/1/77 preliminary, 8/1/77 formal; **Information Dissemination for Science Education Proposals,** 5/13/77; **Public Service Science Residencies for Scientists and Engineers** and **Public Service Internships for Students of Science and Engineering Applications,** (5/15/77, and **Public Understanding of Science,** 8/1/77 Guidelines have been ordered. (Ref. NSF Bulletin, April 1977)

What lies ahead for the liberal arts?

Carroll C. Arnold

"The platitudes about 'teaching people to think,' developing 'well-round individuals,' and 'transmitting man's heritage' haven't worked well. They are pious, vague, and they sound self-serving," Dr. Carroll C. Arnold, professor of speech communication, told the conference, speaking on "What Are the Options for the Next Decade?"

In pursuit of a less pious, more clearly defined purpose, Dr. Arnold urged the group to consider as its first and most important option reassertion of "the integrity of liberal education and the integrity of this College as a purposeful educational entity."

Citing soon to be published research, he argued that educators now know the kinds of changes which college-aged people undergo:

"These people develop autonomy . . . learn to work with new symbol systems and refine their abilities to work with familiar systems . . . learn something about critical thinking . . . refine their value structures . . . become sensitive to the interrelationships of feelings, actions and thoughts . . . develop firmer concepts of self.

"My suggestion is that to give assistance and direction to these inevitable developments is precisely what liberal education is for," he concluded.

Dr. Arnold made his call for reassertion of integrity following discussion of specific options for revising liberal arts offerings in the face of decreasing numbers of college-aged students.

"There is no possibility of our having enough 'business' [in the future] to sustain us as the faculty we are now unless we can make a greatly increased percentage of students entering higher education think the liberal arts are the ideal studies for them or can get new kinds of students into higher education, working in the liberal arts," he said

To this stark reality, Dr. Arnold added two other sets of "unavoidable facts": only "the tiniest fraction" of future college graduates will find teaching jobs, the rest will need to find places in business, industry, government and human services. And, second, more than half of the teaching now done in the liberal arts is for students not enrolled in the College.

"All of these considerations add up to the fact that if we can't attract some new kinds of students to liberal studies, a lot of us are just not going to have work," he warned.

To attract new traditional degree-seeking students to liberal arts programs, Dr. Arnold proposed three options for restructuring college offerings, stressing in each case less specialization and more integration. His options were: (1) alignment of interrelated courses into "clusters" that provide coherent patterns of study in a single field or across departments; (2) reinstatement of undergraduate minors; and (3) initiation of "cluster majors" as alternatives to specialized majors

"The fact is that except in our General Arts and Sciences major and a few interdisciplinary programs, we're telling the world that the only way to study the liberal arts is to concentrate on a subject," he pointed out, adding that this narrow approach may inhibit current and future graduates from acquiring the kinds of jobs that will be available to them.

Attracting non-traditional and part-time students to the liberal arts may mean using such approaches as more work-study programs, "Weekend Colleges" for undergraduate and non-degree students, and geographically dispersed graduate offerings for employed M.A. and Ph.D. candidates.

"Those who hire for business and government have indicated repeatedly that liberal arts students who have had some practical experience in the 'real world,' as they often put it, interest them more than students who have had no such experience," Dr. Arnold told the conference.

He proposed internships as an existing vehicle for exploring work-study, and suggested that such programs might be organized and supervised through Commonwealth Campuses located in areas where study related work experiences are most plentiful.

Noting that other institutions are now offering liberal arts degrees through Weekend Colleges, Dr. Arnold proposed that "the idea at least deserves our attention."

In the area of graduate education, Dr. Arnold suggested that "choices are much more obscure than they are respecting undergraduate and non-degree education." However, he stressed

Roland J. Pellegrin

Even if liberal arts educators are able to identify the problems that will affect them most in the 1980s, initiating changes to solve those problems will be difficult, according to Dr. Roland J. Pellegrin, professor and head of sociology.

His topic was "How Can the College Best Respond to the Anticipated Conditions and Problems of the Next Decade?"

The challenges facing the College are intensified because the College is, by nature, a heterogeneous collection of units and programs, he said, adding that external constraints — the scarcity of resources, in particular — will limit the capacity for change.

Dr. Pellegrin pointed out that very little is known about implementing planned change in an educational setting. And he said the experiences of the past three decades, a period of growth and expansion, provide few guidelines for program development under current conditions.



According to Dr. Pellegrin, most suggestions for improving and diversifying liberal arts programs call for faculty activities that are at least partly incompatible with the existing reward system. For that reason, he said, activities that deviate from the standard areas of teaching and research may be viewed as risky by some.

He added that new activities that sound good on paper sometimes conflict with other activities when put into practice.

Dr. Pellegrin also said that it is difficult to adapt quickly to change in a university setting. Today's university is a "professional organization," he said, in which decision-making occurs in a context of unclear lines of authority and highly autonomous work behavior. In such a setting, he said, it is easier to initiate new programs than it is to implement or evaluate them.

Because educational institutions lack clear and unambiguous goals, Dr. Pellegrin added, goal specification often leads to conflict within affected groups

With these problems in mind, Dr. Pellegrin put forth six guidelines for the response of liberal arts colleges to the challenges of the next decade:

— That new programs designed to diversify the College's activities be introduced only after careful study and planning. Most liberal arts faculty members will continue their usual activities, he said, adding, "We should not abandon the core of our program in reaction to current problems."

— That program changes be limited in number and scope. Dr. Pellegrin said new activities should be developed on an experimental basis and retained only if evaluations show they are worth keeping.

— That any substantial changes will have to include reward systems that are compatible with the duties faculty members are expected to perform.

— That the College give increased attention to the needs and interests of the non-University community, but still maintain an appropriate level of concern for the academic soundness of its programs. He recommended that research

Richard B. Gregg

Liberal arts graduates who are worried about getting a job may be unaware of the spectrum of employment opportunities they have, according to Dr. Richard B. Gregg, professor of speech communication.

Dr. Gregg addressed the topic, "Who Will Our Students Be?"

"There is no blinking the fact that, nationally, students who graduate with degrees in the social sciences and humanities are having the most difficulty obtaining jobs," he said "In fact, they are experiencing more than double the unemployment of other academic areas."

In Pennsylvania, Dr. Gregg said, according to State Department of Education figures, the disciplines with the best employment records for 1974-75 were theology, agriculture, natural sciences, engineering, communications, health professions, architecture, and computer and information sciences.

The disciplines with the poorest records were social sciences, education, biological sciences, fine and applied arts, psychology, area studies and interdisciplinary studies.

But Dr. Gregg noted that most studies show that the difficulty for liberal arts graduates occurs at the point of job entry. Once a job is obtained, he said, the success rate of liberal arts students is good, partly because of their flexibility

Urging faculty members to help liberal arts students make the most of that flexibility, Dr. Gregg called for better advising of liberal arts students at colleges across the country.

"Students are likely to judge their potential employability along direct and traditional lines, rather than considering areas which may not at first seem directly related to their degrees," Dr. Gregg said

He added that because students are unaware of the range of employment opportunities they have, they are unable to articulate their skills to employers. And he said the students' ignorance in this respect reflects that of their liberal arts professors.

"We need to be better informed, both about the kinds of employment our students of the past have obtained and the range of options that will be open to our students in the future," he said.

"I am not arguing that we need to engage in vocational counseling or tracking per se Rather, I am arguing that we can do a better job of helping our students explore and develop their strengths and prepare themselves for the options that await them."

Dr. Gregg said that in his recent conversations with students he had noticed they were beginning to think of ways to combine various educational experiences to prepare themselves for a wide range of employment opportunities, without sacrificing the integrity of their education.

"Students in anthropology might investigate museum work, public health programs, recreation programs, or work with the National Park Service," Dr. Gregg said "Students in history might consider government work or work in state and local historical societies, or journalism or publishing."

Murray S. Martin

"Management and planning are terms many faculty members automatically avoid, but they are words most of us will hear very frequently over the next ten years," Murray S. Martin, associate dean of the University Libraries, warned the conference.

Mr Martin discussed "Faculty and Other Resources in the College of the Liberal Arts during the Next Decade."

His comment was made against a background he had previously sketched of shrinking resources and a stable faculty population.

There is every indication that the faculty now in the College will be substantially that in 1985 or 1987 or 1990," Mr Martin said and cited a recent study of Pennsylvania faculty by William Toombs, assistant director of the Center for the Study of Higher Education:

"The salient points of his review are (1) the proportion of tenured faculty is very high, between 70 and 75 percent, (2) the median age, previously about 40, is now increasing each year, while (3) the actual distribution shows that more than one quarter are over 50 and only 6 percent are under 30."

And Mr. Martin added: " . . . faculty will be more homogeneous in training, in background and expectation than we might presently imagine, since the majority of them came into the profession during the sixties."

Management and planning assume increasing importance in an era when response to change can only be met by internal readjustments, Mr. Martin pointed out.

"We, as a College, must then seek ways in which to move faculty resources in a responsive and responsible manner, in terms of the College's basic priorities," Mr Martin continued. "Naturally this requires the establishing of such priorities. . . Doing so is never pleasant since somehow size or place in the queue gets confused with value and importance."

Still, the process could ultimately prove a boon to the College, in Mr Martin's opinion, since " . . . this pause in the growth of academia may be the first time in decades that we can seek to add quality to research and teaching, particularly to the latter, because it is the first time that we are not overwhelmed by growth — in student numbers, in faculty and staff, in resources and physical plant."

In addition to establishing priorities, there is a need for new definitions and perceptions, Mr. Martin said

" . . . the College has emerged from a service role to one where it has asserted its own role as a producer, via its majors and graduate programs. This has contributed to the stature of the College, but it has also contributed to a reduction in its cohesiveness as programs have taken on lives of their own and even entered into competition with one another. While we were thus busy about our own works, the world around us has changed In a sense, the College of the Liberal Arts has become the most professional of all the Colleges, in that its principal aim was to produce students who would replicate their professors The sudden collapse of the academic job market has jolted us back to reality. It is very hard to justify immense overproduction of Ph D s on the sole rationalization that they are better off for having a sound liberal education. The response need not be to swing back to the older service model, but to take from both models that which is best. Programs and majors need to be seen in a broader context which includes service dimensions, remediation (or the attainment of skills and competencies if you will), interdisciplinary, non-disciplinary and intercollege needs rather than as a principal goal to which all others must be subordinate "

Turning to the individual faculty member, Mr. Martin said that in future the public will "expect us to do more than develop ourselves at their expense." Pressures to devote more time to the education of students will increase at the same time that "the screws are tightened for tenure with a demand for research. . . ."

To meet shifting demands, Mr. Martin suggested that programs be established to help faculty members develop "new areas of expertise and expand on secondary ones, to help them develop teaching skills appropriate to different kinds and groups of students, to help them combine these skills in programs which better demonstrate the meaning of a liberal education."

Calling for a change in the reward system, he said: "While we continue to recognize that

(All articles are continued on page four)

Arts Roundup

Tuckwell to play with Pittsburgh orchestra

Barry Tuckwell, the internationally famous french horn player, will perform with the Pittsburgh Symphony Orchestra at 8:30 p.m. on Saturday, April 16, in Milton S. Eisenhower Auditorium.



Barry Tuckwell

Born in Australia in 1931, Mr. Tuckwell took up the horn at the age of 13 after studying piano, violin and organ and obtained his first professional position with an orchestra within a year. In 1950, he moved to England where he was principal horn with the London Symphony Orchestra for 13 years. He has been awarded the OBE for his services to music and the Harriet Cohen Memorial Medal for soloists. Since 1968, he has played only as a soloist, the first person to establish a career exclusively on the french horn.

At Penn State, he will perform the Haydn Concerto No. 1 in D major for Horn and Orchestra and Concerto No. 2 in E-flat major for Horn and Orchestra, K. 417, by Mozart.

Tickets for the concert will go on sale at the HUB Booth and Eisenhower Auditorium on Tuesday, April 12, at 9 a.m. Mail orders are being accepted at Room 203 Schwab Auditorium through Friday, April 8, and phone orders (BankAmericard and Master Charge only) will be taken through Monday, April 11, at 865-1871.

Alard concert is April 13

The Alard Quartet will present the world premiere of Byron McCulloh's Quartet No. 2 at 8:30 p.m. on Wednesday, April 13, in the Music Bldg. recital hall.

Mr. McCulloh, the bass trombonist of the Pittsburgh Symphony Orchestra, wrote the quartet last year and dedicated it to the Alard. His First Symphony was commissioned by the Pittsburgh orchestra and was premiered last fall, and the Alard performed his Quartet No. 1 in State College two years ago.

Although not specifically programmatic, Quartet No. 2 does reflect the conflicts and tensions of life in modern society during its three movements. For contrast, Mr. McCulloh used "the most peaceful sound I know," that of the wood thrush, in the first violin, to symbolize tranquility and solitude.

Philip F. Myers of the Pittsburgh Symphony, will join the Alard to open the program with the Quintet for French Horn and Strings in E flat major, K. 407, by Mozart. The program will close with the Debussy Quartet in G minor, opus 10.

Alard members are Joanne Zagst and Donald Hopkins, violins; Leonard Feldman, cello; and Raymond Page, viola.

Three theatre productions set for spring

Jazz Dance Theatre in Concert leads off the University Theatre spring schedule with performances this weekend, April 7, 8 and 9, at 8 p.m. in the Playhouse Theatre.

The following weekend, Henrik Ibsen's *A Doll's House* will be presented April 14-16 and again April 19-23 in the Pavilion Theatre, also at 8 p.m. The final production, Eugene O'Neill's *The Great God Brown* is scheduled for the Playhouse May 5-7 and 10-14.

Jean Sabatine, assistant professor of theatre arts, is the choreographer and director of the Jazz Dance Ensemble. This year's concert is highlighted by two new dance pieces, "Impasse" and "Junk Yard Funk."

Marc Field, MFA candidate, is directing *A Doll's House*, Ibsen's pioneering study of a woman seeking to forge her own identity in a tightly circumscribed Victorian society.

The Great God Brown will be directed by Archie Smith, associate professor of theatre arts. The play caused a sensation when it was first produced because of O'Neill's use of masks to express the characters' psychological struggles.

The box office for all productions is open from 1 to 6 p.m. Mondays through Saturdays and until 9 p.m. on performance days.

"Ariadne in Italy" is lecture topic

The Central Pennsylvania Society of the Archaeological Institute of America will present an illustrated lecture by Emeline Richardson, Norton Lecturer for 1976-77, at 8 p.m. on Thursday, April 14, in Room 101 Kern Bldg. Her subject is "Ariadne in Italy."



Greek vase depicting Ariadne

According to Greek legend, Ariadne helped guide Theseus from the Labyrinth with a clue of thread after he had slain the Minotaur. Abandoned by him, she was later claimed by the god Dionysus as his bride.

Prof. Richardson, a leading writer on Etruscan art, will discuss various representations of Ariadne. Since 1968, Dr. Richardson had been professor of classical archaeology at the University of North Carolina. She is the author of *The Etruscans: Their Art and Civilization* and *Etruscan Sculptures*.

Altoona Campus holds Black Arts Festival

The third annual Altoona Campus Black Arts Festival, held last week, was highlighted by an address by Marcia Perkins, a special assistant to the Executive Director of the Pennsylvania Human Relations Commission in Harrisburg. Other events included a slide program on Zambia and Kenya, presented by Drs. Amos and Ruth Hollinger, associate professor of physics at Altoona and planning analyst at University Park, respectively; a Gospel Concert; and an exhibit of African artifacts.



Jerry Uelsmann's "Apocalypse II"

History of Photography Week has talks, exhibits

Exhibits of historic and contemporary photographs and a lecture series will highlight History of Photography Week at the University April 11-17.

Among the historic photographs is a Zoller Gallery display of 40 original prints by Eugene Atget made between 1900-1925. Atget is know for the haunting quality of his early 20th century Parisian street scenes.

Also on exhibit throughout the week are a group of prints by Fay S. Lincoln, an architectural photographer who recorded the restoration of Colonial Williamsburg in 1935-36. They may be seen in the Rare Book Room of Pattee Library. An exhibit of rotogravure pages from the New York Herald Tribune between 1926-1932 are on view in the Kern Bldg. Commons Gallery.

Concurrently, the Zoller Gallery will feature two exhibits of contemporary photography. One is a collection of prints by Jerry Uelsmann, professor of art at the University of Florida, who employs composite techniques such as combination printing, the negative sandwich, and blends. The second is a faculty-student portfolio titled "Invisions."

Three public lectures by scholars in the history of photography will be presented during the week. All will be at 8 p.m. in the Zoller Gallery.

Prof. Estelle Jussim of Simmons College, Boston, will speak on the topic "Photography, Wood Engraving and the Art of Illusionism" Monday evening. On Wednesday, Dr. Heinz K. Henisch, professor of the history of photography and professor of physics at Penn State, will discuss "The Non-objective Photograph"; and on Friday, Dr. Van Deren Coke, professor of art history at the University of New Mexico, will discuss "Photography's Answer to Art Deco and Surrealism."

History of Photography Week is arranged by Dr. Henisch and sponsored by the Department of Art History, with support from the University's Institute for the Arts and Humanistic Studies.

WPSX Highlights

Americans' search for community and the quality of life in America's small towns are examined on "Through All Time," a two-part report beginning Friday, April 8, at 9:30 p.m. on **Americana**. The first program views the social differences between country and city life and the forces and values that shape the character of the small town.

Job discrimination is the subject when **Documentary Showcase** presents the first of five weekly "Woman Alive" programs Friday, April 8, at 10 p.m. Harriet Rabb, assistant dean of the Columbia Law School and a specialist in sex discrimination cases, gives a step-by-step analysis of how to recognize and document job discrimination, how to begin the formal legal process and how to deal with harassment.

The world of work as viewed by individuals from the board chairman of an industry to a wage earner in the same company is the focus of **Notes on an American Business**, a five-part Penn State Television documentary series premiering Tuesday, April 12, at 8 p.m. The series was filmed inside Sitkin Smelting and Refining in Lewistown, Pa., and is designed to show the different perspectives and goals of various workers. The first program probes the history of the business, introduces individual workers who will be featured on later programs, and presents a "view from the top" by board chairman Lewis Sitkin.

Problems associated with trying to plan the use of material resources are discussed on the third program of **The Finite Earth**, a "Pennsylvania State University of the Air" series, Tuesday, April 12, at 9 p.m. Appearing are Terry A. Ferrar, director of the Center for the Study of Environmental Policy at Penn State; Stuart H. Mann, associate professor of operations; Frank Clemente, associate professor of sociology; and Gerald Lundgren, an instructor in Penn State's Science, Technology, and Society Program.

The future of solar power as a source of industrial power is one of the subjects explored on **Nova** Wednesday, April 13, at 8 p.m. The hour-long documentary looks at the race to develop new energy technology. Included are views of a NASA-built windmill in Ohio, plans for machines that will generate electricity from the heat of tropical seas, and the possibility of building solar power stations in space.

Twyla Tharp and dancers offer a mixture of American popular dancing and classical form when they perform Tharp's "Sue's Leg" on **Great Performances** Wednesday, April 13, at 9 p.m.

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News in Brief

Paycheck questionnaire due

Faculty and staff at all Penn State campuses will receive a questionnaire with their April paychecks which seeks to determine whether or not they are interested in having their paychecks deposited directly in their banks.

Although in theory this service is already available, in practice it has been limited to depositors in six Centre County banks since a total of 75 employees has been required before a bank can participate in the plan.

"At many of our smaller campuses, it simply is not possible to reach this figure," explains Richard H. Baker, assistant treasurer and director of financial management at the University. "However, the possibility of instituting this service is now being considered for all our employees, no matter where they bank."

There is one proviso — the employee's bank must belong to an Automated Clearing House, and not all do.

Having one's salary check deposited directly in a bank eliminates any possibility of its being lost, Mr. Baker points out, and it also does away with the inconvenience of having to stand in line to pick up the check.

"Since starting up this new service would require certain changes in University handling of payrolls and accounting, we would like to find out just how much interest our employees have in the plan before proceeding further," Mr. Baker notes.

Penn State Scholars to visit

More than 675 outstanding high school students have been nominated to visit University Park under the Penn State Scholars program. Half will visit the campus April 15-16, the other half April 22-23.

The program was initiated in 1975 to recognize and encourage excellent academic scholarship. The high school students, accompanied by their parents, will meet with Penn State faculty members and students concerning career opportunities, academic programs, and other campus activities. They will also compete for one of 30 full-tuition, four-year scholarships.

The students were nominated for the program by their high school principals as the top academic students in the junior class of their respective schools. All participants will receive an early offer of admission to the University.

Major award goes to History Ph.D.'s book

Merritt Roe Smith, associate professor of history at Ohio State University, has just won the Frederick Jackson Turner Award for his book, *Harpers Ferry Armory and the New Technology: the Challenge of Change*, published by Cornell University Press. Dr. Smith, who earned his Ph.D. in history at Penn State in 1971, originally wrote the study as his doctoral dissertation under the direction of Hugo A. Meier, associate professor of history, and Philip S. Klein, professor emeritus of American history. The award, one of the most prestigeous in the field, is conferred annually by the Organization of American Historians on the author whose first book is judged best on any subject in American history.

Since 1950 when it granted its first doctoral degree, the Department of History at Penn State has conferred a total of 78 Ph.D. and D.Ed. degrees. Thirteen of the 78 dissertations involved have subsequently been published as books and two others have been accepted for publication. In addition to the 19 percent that have appeared as books, parts of many of the remaining dissertations have been published as scholarly articles.

Ambassador to speak

John P. Walsh, a former ambassador to Kuwait and currently State Department Advisor to the Commander of Air University, will speak at 7:30 p.m. on Wednesday, April 20, in Room 105 Forum Bldg. His subject will be "National Defense Policymaking." Ambassador Walsh's visit is sponsored by the Department of Aerospace Studies (Air Force ROTC) and the Department of Political Science.

Lady Lion Boosters' dinner

The Lady Lion Boosters will sponsor their fourth annual banquet for women athletes at 6:30 p.m. on Monday, May 2, in the HUB ballroom. The guest speaker will be Le Anne Schreiber, editor of women/Sports magazine. Tickets are available in Room 105 White Bldg. or from the various Lady Lion coaches until April 27. They may also be purchased by sending a check made out to Lady Lion Boosters, in care of Mrs. Charles Brackbill, 205 E. Irvin Ave., State College. Include a self-addressed stamped envelope. Tickets are $3.50 for Lady Lion Varsity and J-V athletes and managers; $5.50 for students; and $7 for the general public.

Religion in America talk

Sidney E. Mead, currently distinguished visiting professor of American studies, history and religious studies at The University of Tennessee/Knoxville, will deliver a public lecture at 3 p.m. Thursday, April 21, in Room 101 Kern Bldg. His topic is "Religion and the Character of the American Republic."

Dr. Mead is a noted American historian whose scholarship has focused on the role of religion in American social, intellectual and political life. He has taught at the University of Chicago, the Southern California School of Theology, and the University of Iowa.

His lecture is sponsored by the Department of Religious Studies as part of its year-long graduate colloquium on Religion in America.

History Walk on April 17

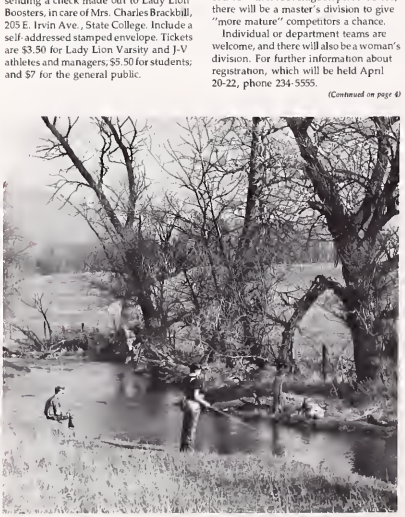
A History Walk, "Reading the Landscape," will be offered by the Shaver's Creek Nature Center of the Stone Valley Recreation Area from 2 to 4 p.m. on Sunday, April 17. The program will explore past central Pennsylvania history through visits to old homestead sites, graveyards and iron furnaces. A second program, "Weather without Instruments," will be offered by the Nature Center from 2 to 4 p.m. April 16.

Phi Psi 500 time again

The ninth annual Phi Psi 500 will be held Saturday, April 23, with the proceeds going to the Centre County Day Care Program. Contestants run a 1.1 mile course with six beverage stops. As before, there will be a master's division to give "more mature" competitors a chance.

Individual or department teams are welcome, and there will also be a woman's division. For further information about registration, which will be held April 20-22, phone 234-5555.

(Continued on page 4)



Ready for season's opening on April 16.



Milton S. Eisenhower

Formal naming of auditorium Apr. 16

A ceremony formally naming the Milton S. Eisenhower Auditorium at University Park will be held Saturday, April 16, prior to an 8:30 p.m. concert by the Pittsburgh Symphony Orchestra in the auditorium.

The new name, which honors the man who served as president of the University from 1950 to 1956, was approved March 19 by the University's Board of Trustees.

Dr. Eisenhower, who now lives in Baltimore, Md., will attend the ceremony, with his son and daughter-in-law, Mr. and Mrs. Milton S. Eisenhower Jr., of Wilton, Ct.; his daughter (Ruth) and son-in-law, Mr. and Mrs. Thomas Snider, of Baltimore; and the Sniders' three sons. President Oswald and William K. Ulerich, president of the Board of Trustees, will preside.

"It is most appropriate that the University Auditorium, where so many major cultural events have been held since its opening in 1974, be named for Dr Eisenhower. In his six years as President, he did much to advance the national stature and recognition of Penn State as one of America's major universities," Dr. Oswald commented at the time of the Trustees' approval.

Senate reconsiders student reviews

Proposed legislation on student evaluation of faculty members for promotion and tenure reviews was returned to committee at the April 5 meeting of the University Faculty Senate. The legislation, presented by the Committee on Faculty Affairs, is expected to be revised and presented again at the May 3 meeting of the Senate.

As originally proposed, it included three courses of action:

— That the Senate reaffirm an earlier statement that review of teaching effectiveness be based on more than student input.

— That all such reviews include student input, but that written surveys would not be adequate alone as the student contribution. (Other forms of input might include personal interviews or records of performance by students on standardized tests.)

— That the Senate ask the Provost to incorporate the substance of these two policy statements in the "Administrative

(Continued on page 2)

Faculty Notes

Peter D. Georgopulous, associate professor of physics at Delaware County, has received the Outstanding Teacher of the Year Award there. This is the second time he has won the award, having previously been cited in 1972-73. (He also won an earlier award for superior teaching as a Physics Department graduate assistant at University Park).

Dr. Milton Cole, associate professor of physics, delivered seminars on properties of adsorbed atoms at California Institute of Technology and Stanford University on March 28 and 29.

Penn State women's swimming coach **Ellen Perry,** an assistant professor in the College of Health, Physical Education and Recreation, has been appointed to the United States Olympic Swimming Committee. One of three representatives from the Association for Intercollegiate Athletics for Women named to the committee, she will serve a four-year term. The Lady Lion Coach is the chairman of the AIAW's Swimming and Diving Committee. She has coached the women's swimming team at Penn State since the sport gained varsity status for women in 1970, compiling a 68-18 record.

Dr. Philip Young, research professor of English, is the author of a chapter in the book, *Teacher & Critic: Essays by and about Austin Warren,* published by Plantin Press, Los Angeles.

Dr. William J. Duiker, associate professor of history, is the author of an article, "Studying the Lessons of Vietnam," published recently in The Asia Mail.

Hubert C. Smith, assistant professor of aerospace engineering, presented a paper at the 1977 Society of Automotive Engineers National Business Aircraft Meeting and Exposition in Wichita, Kan., March 29 to April 1. His topic was "A Computer Technique for the Determination of Brake Horsepower Output of Reciprocating Aircraft Engines." Prof. Smith also recently assumed the position of president-elect of the Pennsylvania Association for Aviation and Aerospace Education.

Dr. John T. Schmidman, associate professor of labor studies, presented a paper, "The Evaluation of Trade Union Theory," at the annual meeting of the History of Economics Society held at the University of California at Riverside.

Dr. Nicholas A. Joukovsky, assistant professor of English, is the author of an article, " 'A Dialogue on Idealities': An Unpublished Manuscript of Thomas Love Peacock," in the 1977 *Yearbook of English Studies*.

Several Penn State faculty members presented papers last week at a National Symposium on Municipal Wastewater and Sludge Recycling on Forest Land and Disturbed Land held recently in Philadelphia. The symposium was organized by **Dr. William E. Sopper,** professor of forest hydrology, Institute for Research on Land and Water Resources. He also coauthored three papers — with **Sonja Kerr** and **Barry Edgerton,** research technologist and research assistant in the Institute, respectively; and with **Dr. Louis Kardos,** professor emeritus of soil physics.

Richard Kramer, assistant professor of mathematics at Delaware County, presented a talk, "Sub- and Super-Solutions for the Quasilinear Elliptic Boundary Value Problems" at a meeting of the American Mathematical Society in New York City.



Thomas A. Wright, assistant professor of mechanical engineering, is marking his 25th year at the University. He joined the Penn State faculty in 1952 as an instructor. A graduate of Penn State with a degree in industrial engineering, Prof. Wright also received a graduate degree in adult education at the University of Chicago.

Prof. Wright was partially responsible for the development of the Drafting and Design Technology Associate Degree curriculum at the University and has written several of the courses in the curriculum to meet both the requirements of industry and The Engineer's Council for Professional Development (ECPD). In this same field, he has served as a visitor for the ECPD in curriculum accreditation at other institutions.

Prof. Wright has also been responsible for the development, writing and teaching of various continuing education short courses. Over the years, he has either written or rewritten most of the mechanical engineering and engineering graphics courses taught at the University's evening technical institutes.

For many years, Prof. Wright has taken an active part in the activities of the Short Course and Education committees of the National Warm Air Heating and Air Conditioning Association, the Standards Committee of the Heating Division of the National Electrical Manufacturers Association, and the Education Committee of the Boiler and Radiator Manufacturers Association. He is one of 26 trustees of the Pennsylvania Engineering Association.

Dr. Gregory C. McCarthy, a senior research associate in solid state chemistry at MRL, presented a seminar April 4 at Carnegie-Mellon's Joint Physics Colloquium. His topic was "Making Solidified High Level Nuclear Waste Safer: the Multibarrier Approach."

Dr. Robert S. Friedman, professor and head of the Department of Political Science, is the author of "Nonacademic Careers for Political Scientists," an article published in the winter issue of the journal, Political Science.

Dr. Paul T. Baker, professor of anthropology, has written a monograph, published by UNESCO, on "Human Population Problems in the Biosphere: Some Research Strategies and Designs."

James Uhl, associate professor of general engineering at York, has been selected to participate in NASA/ASEE's Summer Faculty Fellowship Program, which will take him to the Goddard Space Fight Center, Greenbelt, Md., for 10 weeks of intensive research. Prof. Uhl, who joined the York Campus staff in 1964, was selected for the project because of his combined engineering and agronomy background.

Dr. Michael Barton, assistant professor of social science at Capitol Campus, is the author of three articles: "Love Among the Brains: Brief Lust in the New York Review of Books" in the National Review; "Two Brothers' Civil War Letters of Captain Andrew Lewis and His Daughter" in the Western Pennsylvania Historical Magazine; and "A Select Bibliography of Civil War Soldiers' Diaries" in the Bulletin of Bibliography.

Dr. Frank J. Landy, professor of psychology, was the author of an article on "The Motivation to Work," published in the February issue of Inside U.S.A.

Bookshelf

For the first time, planners of national, state, county and municipal parks have a single research source to turn to, a handbook written by **Monty L. Christiansen,** professor of recreation and parks and landscape architecture. Published by John Wiley and Sons, the work is titled, *The Park Planning Handbook.*

According to the author, the handbook contains information previously found in 40 to 50 different references. The new publication can be used as a text for advanced undergraduate and graduate courses in park planning, as well as a desk reference for professional planners.

The handbook is divided into two major divisions. The first section deals with a description of the phase-by-phase planning process "from pre-design to the recreational experience." The second section is concerned with the major support requirements involved, such as lighting, water, solid waste disposal, and health and emergency demands. Also included is an up-to-date appendix, offering examples of the latest improvements in park planning.

Dr. Charles L. Newman, professor of law enforcement and corrections, and **Dr. Barbara R. Price,** assistant professor of law enforcement and corrections, are co-authors of a new book, *Jails and Drug Treatment.* The book is published by Sage Publications as Volume 36 of the Sage Library of Social Research.

Based on research developed under a grant from the Law Enforcement Assistance Administration of the U.S. Department of Justice, the work documents a nationwide lack of comprehensive screening of inmates for drug use on arrival in jail.

Dr. Newman, currently serving as visiting professor at the University of Texas, is director of the National Jail Resources Study, while Dr. Price is co-director.

Appointments

Lawrence D. Muller as associate professor of dairy science. B.S. and M.S., University of Illinois; Ph.D., Purdue. Formerly associate professor at South Dakota State University, where he was named the Outstanding Teacher in the College of Agriculture in 1976.

Michael Ronthal as assistant professor of medicine. B.A., F.C.P. (S.A.), M.R.C.P., University of Witwatersrand, South Africa. Neurology residencies at Johannesburg, and National Hospital, London. Formerly consultant neurologist, head of the Neurology Department, Baragwandath Hospital, S.A., and lecturer, University of Witwatersrand. Researcher on clinical investigative studies in trials of new pharmacologic agents in the management of epilepsy.

Joan C. Caraher, as cataloger, assistant librarian, Capitol Campus. B.A., Iowa State University; M.S., Southern Connecticut State College. Formerly library desk assistant at Bosler Free Library, Carlisle, Pa.

Carolyn E. Cockrell as research assistant, College of Business Administration Library. B.A., Grambling State University; M.S., University of Illinois. Formerly assistant librarian, Cornell; media specialist, Shaw College; intelligence specialist, Defense Intelligence Agency.

Lowell V. Gregory as research assistant in plant pathology. B. S. Greensboro College; M.S., Penn State.

Senate

(Continued from page 1)

Guidelines for the Conduct of the University Promotion and Tenure Review Process."

Following a lengthy debate on the second point, the Senate amended it by dropping the recommendation that written surveys be supplemented with other forms of student input.

Senator Richard G. Cunningham said guidelines should be established for the student evaluation surveys, if their use is to be continued. Specifically, he said, the surveys should be limited to one page and should include the question, "Did he/she help you in learning the material presented?" Dr. Cunningham said he had seen some forms that included as many as 75 questions.

In other action, the Senate approved a recommendation by a subcommittee of the Committee on Intra-University Relations on the use of part-time faculty.

According to the subcommittee's report, part-time faculty usage approaches 30 percent of all resident instruction at some University locations and is almost non-existent at others. The report concluded that if there is a problem related to the use of part-time faculty, it is specific to some locations within the University.

Four concerns were identified, however, that could have University-wide ramifications. They are the heavier burden on full-time faculty because the student population is larger when part-time faculty are used; the use of part-time faculty in positions that call for full-time appointments; the lack of available data on numbers and locations of part-time faculty; and the question of the rights and benefits of part-time faculty.

Because of these concerns, the subcommittee recommended that the Senate further investigate the situation.

The Senate endorsed the use of the Continuing Education Unit (CEU), a method of measuring participation in non-credit instruction. CEUs had previously been approved by the colleges, but their full implementation had been delayed pending Senate endorsement.

The Senate heard an informational report on the Cooperative Education Project by Donald E. Evans, project director, and Richard G. Swails, director of the Career Development and Placement Center.

A report by the special Committee to Review Procedures of Academic Units for Student Evaluation of Courses, postponed from the Feb. 1 meeting, was postponed again, to give the Senate time to consider the legislation proposed by the Committee on Faculty Affairs.

In final business, the Senate discussed a legislative report by the University Task Force on Retention and Transfer of Students in Baccalaureate Program Majors. The report will be presented for action at the May 3 meeting.

Chairman Eugene Melander of the task force said the group had concluded that the basic system was sound but that some specific problems had been identified. Discussion of the report appeared in the March 24 issue of INTERCOM.

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Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

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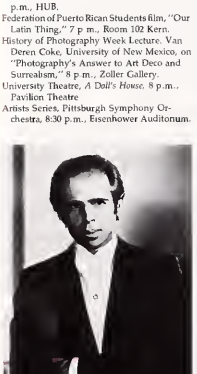
University Park Calendar

April 14-24

Special Events

Thursday, April 14
Federation of Puerto Rican Students film, "Our Latin Thing," 7 p.m., Room 101 Kern.
Wildlife Society Lecture. A. Scott Krug, National Wildlife Federation, on "Encouraging Public Support of Conservation," 7:30 p.m., Room 301 Ag Admin Bldg.
Archaeological Institute of America Norton Lecturer, Emeline Richardson, University of North Carolina at Chapel Hill, on "Ariadne in Italy," 8 p.m., Room 101 Kern.
Department of Philosophy Second Dotterer Lecture. Gerhard Funke, University of Mainz, on "Practical Reason in Husserl's Phenomenological Epistemology," 8 p.m., HUB assembly room.
University Theatre, *A Doll's House,* 8 p.m., Pavilion Theatre.
Artists Series, Pittsburgh Symphony Chamber Orchestra, 8:30 p.m., Schwab.

Friday, April 15
Penn State Scholars Program.
Pittsburgh Symphony Residency, Eisenhower Auditorium.
Shakespeare Symposium, "King Lear: Our Contemporary?" all day, beginning 9:30 a.m., Room 112 Kern.
Sports: Men's tennis, vs. East Stroudsburg, 2 p.m.
Terrace Room "Springtime Serenade," special dinner with live entertainment, 4:45-7 p.m., HUB.
Federation of Puerto Rican Students film, "Our Latin Thing," 7 p.m., Room 102 Kern.
History of Photography Week Lecture. Van Deren Coke, University of New Mexico, on "Photography's Answer to Art Deco and Surrealism," 8 p.m., Zoller Gallery.
University Theatre, *A Doll's House,* 8 p.m., Pavilion Theatre
Artists Series, Pittsburgh Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.



Pittsburgh Symphony's Donald Johanos

Saturday, April 16
Penn State Scholars Program.
Pittsburgh Symphony Residency, Eisenhower Auditorium.
Sports: Men's tennis, vs. Swarthmore, 1 p.m.; men's track, vs. Kent State.
Shaver's Creek Nature Center, "Weather Without Instruments," 2-4 p.m., Stone Valley.
Terrace Room, "Springtime Serenade," special dinner with live entertainment, 4:45-7 p.m., HUB.
University Theatre, *A Doll's House,* 8 p.m., Pavilion Theatre
Artists Series, Pittsburgh Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.

Sunday, April 17
P.S.O.C. Hiking Division, exploration near Loop Fire Tower in SGL 118, 9 a.m., HUB parking lot.
University Chapel service, 11 a.m., Eisenhower Chapel. Rabbi Elazar Grafstein, Hillel Foundation.
Sports. Men's tennis, vs Haverford, 2 p.m.
Shaver's Creek Nature Center, "Reading the Landscape," 2-4 p.m., Stone Valley.
Reception for the exhibit "Growing Forms by Philip Grausman, sculptor," 3-5 p.m., Museum of Art.
Charles Noble, piano, 3:30 p.m., Music Bldg. recital hall.

Monday, April 18
College of Education Lecture. Huew Long on "Adult Continuing Education," noon, Room 101 Kern
Shakespeare film, *Hamlet* (Williamson), 6:30 p.m., Room 101 Chambers. Free admission
Aristotelian Society meeting, 7:30 p.m., Room 2 Faculty Club.
Color Slide Club meeting, 7:30 p.m., Room 112 Kern.
Old Music, Brent Wissick, 8:30 p.m., Music Bldg. recital hall.

Tuesday, April 19
Gallery Talk. Thomas Leavitt, Herbert F. Johnson Museum of Art, Cornell University, on "Dimensions of Contemporary Sculpture," 10:30 a.m., Museum of Art. Sponsored by the Friends of the Museum.
Comp. Lit Luncheon, 12:15 p.m., Faculty Club
Charles Ness on "Hearing Is Seeing: The Development of Talking Book Records for the Blind."
Sports: Women's lacrosse, vs. Frostburg, 3 p.m.
Shakespeare film, *Hamlet* (Olivier), 6:30 p.m., Room 101 Chambers Free admission.
Faculty Women's Club business and social meeting, 7:30 p.m., Rooms 101 and 112 Kern.
University Theatre, *A Doll's House,* 8 p.m., Pavilion Theatre.
Fixed date for meetings involving Commonwealth Campus faculty.

Wednesday, April 20
Sports: Men's baseball, vs. West Virginia, double header, 1:30 p.m.; women's softball, vs. East Stroudsburg, 1 p.m.
Aerospace Studies/Political Science Lecture. John P. Walsh, former ambassador to Kuwait, State Department Adviser to the Commander of Air University, on "National Defense Policymaking," 7:30 p.m., Room 105 Forum.
Department of Architecture Lecture. Massimo Scalari on "The Relationship Between Theory and Project," 7:30 p.m., Room 108 Forum.
G.S.A. Commonsplace Theatre, *On the Waterfront,* 7:30 and 9:30 p.m., Room 112 Kern.
University Theatre, *A Doll's House,* 8 p.m., Pavilion Theatre.
Commonwealth Campus Western Symposium.

Thursday, April 21
Visiting Artist Lecture. Ellen Lanyon, 1 p.m., Zoller Gallery.
Religion in America Lecture. Sidney E. Mead, University of Tennessee, on "Religion and the Character of the American Republic," 3 p.m., Room 101 Kern.
Inter-Disciplinary Programs/Humanities Studies Lecture. Muzafer Sherif, 8 p.m., Room 101 Kern.
Naiads Water Show, 8 p.m., Natatorium.
University Theatre, *A Doll's House,* 8 p.m., Pavilion Theatre.
Deadline for submitting reserve reading lists for summer term to Reserve Reading Room, W11 Pattee.

Friday, April 22
Penn State Scholars Program.
Black Arts Festival films, *The River Niger* and *Rhythmetron,* 7:30 p.m., Robeson Cultural Center. Free admission.
Naiads Water Show, 8 p.m., Natatorium.
University Readers performance, "Eight Cups of Saki," 8 p.m., Room 112 Kern.
University Theatre, *A Doll's House,* 8 p.m., Pavilion Theatre.
David Billings, organ, 8:30 p.m., Music Bldg. recital hall

Saturday, April 23
Penn State Scholars Program.
Phi Psi 500.
College of Science Student Council exhibition, "Dimensions of Science," 10 a.m.-5 p.m. Begins in Osmond
Engineering Undergraduate Council Open House, 10 a.m.-4 p.m., Hammond Gallery.
Family Camera Day with the football team, 1 p.m., Beaver Stadium.
Sports: Men's golf, vs. Kent State, 1 p.m.; women's tennis, vs. Virginia, 9:30 a.m.
Black Arts Festival, talent show, 7:30 p.m., Robeson Cultural Center.
Naiads Water Show, 8 p.m., Natatorium.
University Readers performance, "Eight Cups of Saki," 8 p.m., Room 112 Kern.
University Theatre, *A Doll's House,* 8 p.m., Pavilion Theatre.

Sunday, April 24
P.S.O.C. Hiking Division, plant trees on abandoned strip mine in Centre County. Free picnic supper, 9 a.m., HUB parking lot.
University Chapel service, 11 a.m., Multi-Purpose Room, Eisenhower. Joint service with Black Christian Fellowship.
Beta Sigma Beta, Sy Barash Regatta, 11 a.m.-6 p.m., Stone Valley. Rain date, May 1.
Sports: Women's track, vs. Maryland, 1 p.m.
Blue Band Concert, featuring Hendley Hoge, percussion, and Jeff Baker, trumpet, 3 p.m., Eisenhower Auditorium. Free admission.
Rhea Jacobus, flute, 3:30 p.m., Music Bldg. recital hall.
Black Arts Festival fashion show, 7 p.m., Schwab

Seminars

Thursday, April 14
Computation Center, "APL (3)," 7:30 p.m., Room 108 Forum.

Friday, April 15
Industrial Engineering, Arnold Reisman on "Operations Research and Health Care Delivery," 3:45 p.m., Room 128 Sackett.

Monday, April 18
Plant Pathology, Doug Rouse on "Horizontal Pathosystem Analysis," 9:45 a.m., Room 213 Buckhout.
Architecture and Urban Planning, Wybe Van Der Meer, University of New Mexico, on "Subterranean Housing for Arid Zones," 2 p.m., Room 318 Sackett.
Genetics, Muriel Davidson, Jackson Laboratories, Bar Harbor, on "Characterization and Uses of Paracentric Chromosomal Inversions in Mice," 3:55 p.m., Room 111 Tyson.
Biochemistry/Biophysics, G. Mueller, University of Wisconsin, on "Control of NDA Synthesis in Mamalian Cells," 3:55 p.m., Room 101 Althouse.
Computation Center, "Text Processing (1)," introductory programming, 8 p.m., Room 108 Forum.

Tuesday, April 19
Biochemistry/Biophysics, G. Mueller, University of Wisconsin, on "Control of DNA Synthesis in Mamalian Cells," 11:10 a.m., Room 101 Althouse.
Analytical Chemistry, W. D. Smith on "Atmospheric Trace Metal Analysis by Atomic Absorption Spectroscopy," 1 p.m., Room 333 Whitmore.
Remote Sensing, two films, "The Whole Earth's Invisible Colors" and "To Water by Air," 1 p.m., Room 225 Electrical Engineering West.
Solid Waste Management, Gerald Harvey, New York Testing Co., on "Waste Energy Systems," 2:20 p.m., Room 124 Sackett.
Chemical Engineering, C. Miller, Carnegie-Mellon University, on "Interfacial Phenomena in Tertiary Oil Recovery Processes," 3:45 p.m., Room 140 Fenske.
Engineering Science and Mechanics, E. H. Nicholllan, Bell Laboratories, on "Insulator-Semiconductor Interfaces," 4 p.m., Room 232 Hammond.

Thursday, April 21
Ceramic Science, G. Y. Chin, Bell Labs, on "Deformation in Polycrystalline Ceramics," 11 a.m., Room 244 Deike.
Chemistry, Peter Beak, University of Illinois, on "Structural and Chemical Studies of Tautomeric Systems: Old Problems and New Answers," 12:45 p.m., Room 333 Whitmore.
Anthropology, Daniel Bates, Hunter College, on "Evolutionary Biology and the Implications for Human Population Control," 3:45 p.m., Room 102 Kern.
Physics, Styg Lundqvist, Chalmers Institute of Technology, Goteborg, Sweden, on "Many Body Effects in Photo Electron Spectroscopy," 3:50 p.m., Room 117 Osmond
Transportation Institute, Peter Everett on "A Behavioral Approach to Transportation Systems Management," 3:55 p.m., Room 111 Boucke.
Aerospace Engineering, S.B. Pope, Imperial College of Science and Technology, London, on "The Transport of Scalar Probability Density Functions in Turbulent Flows," 4 p.m., Room 152 Hammond.
Microbiology and Cell Biology, P. F. Sparling, University of North Carolina, on "Genetics and Biochemistry of Antigiotic Resistance in the Gonococcus," 4 p.m., Room 52 Frear.
Computation Center, "Text Processing (2)," introductory programming, 7:30 p.m., Room 108 Forum.

Exhibits

Chambers Gallery: Jamaican Child Art
HUB Gallery: Smithsonian Institution exhibit, "Ride On," the story of the bicycle.
Kern Commons Gallery: Rotogravure prints from the Herald Tribune, 1926-1932, through April 16, Gloria Joseph, photographs, opens April 17, Margery Johnstone and Jean Jiddings, rugs and weavings; Sylvia Rogers, patchwork quilts.
Museum of Art: Ancient Glass — Classical, Sassanian, and Islamic, through April 17; Growing Forms by Philip Grausman, sculptor, opens April 17; abstract paintings and prints from the permanent collection.
Pattee Galleries: Art History Department exhibit on historical preservation, through April 16; silversmithing by the Art Education advanced crafts class, and mutilated books, opens April 19, Main Lobby. Jim Mastelli, drawings, East Corridor Gallery. Mike Lucas, drawings, Lending Services Lobby. Fay S. Lincoln, photographer of Williamsburg, from the Penn State Historical Collection, Rare Book Room, April 11-17.
Zoller Gallery: Invisions and History of Photography.

WPSX Highlights

The respective roles of boom towns and company towns in America's search for a sense of community are examined on **Americana** Friday, April 15, at 9:30 p.m. The program was filmed in a Hawaiian tourist center, a Wyoming mining town, and a California lumber community.

L'Avventura, Michelangelo Antonioni's award-winning 1960 film, leads off an Italian film festival when **PBS Movie Theatre** moves to a new time Saturday, April 16, at 10 p.m.

The problems and rewards of raising a retarded child are candidly documented on the third program of **Six American Families** Monday, April 18, at 8 p.m.

The vision of one of America's greatest folk poets is celebrated when Arlo Guthrie, Judy Collins, Pete Seeger, and Fred Hellerman pay tribute to Woodie Guthrie on **Soundstage** Monday, April 18, at 10 p.m. The program mixes performances of Guthrie's songs with

(Continued on page 4)

Arts Roundup

Pittsburgh to offer three concerts

Concerts by the Pittsburgh Symphony Chamber Orchestra and the Pittsburgh Symphony Orchestra, both under the direction of Donald Johanos, will be presented at the University April 14, 15 and 16. They are sponsored by the Artists Series.

The chamber group will appear at 8:30 p.m. tonight (Thursday) in Schwab Auditorium. Its 32 members, for the most part "first-chair" men from the Symphony, will perform Schubert's Symphony No. 5 in B-flat Major; *Ocho por Radio* by Revueltas, Ravel's *Le Tombeau de Couperin*; and *Variaciones Concertantes* by Ginastera. Any remaining tickets will be available at the door.

The full orchestra will present concerts on Friday and Saturday at 8:30 p m. in Eisenhower Auditorium. Friday's program includes Mozart's Overture to *The Impressario*, K. 486; R. Strauss's Concerto No. 2 in E-flat Major for Horn and Orchestra; and Rimsky-Korsakov's Symphonic Suite *Sheherazade* op 35. On Saturday, the program features Barber's *Medea's Meditation and Dance of Vengeance*, op. 23-A, Haydn's Concerto No. 1 in D-Major for Horn and Orchestra; Mozart's Concerto No. 2 in E-flat Major for Horn and Orchestra, K. 417; and Brahms's Symphony No. 2 in D-Major, op 73. Barry Tuckwell, internationally famous french horn player, will be guest soloist at both concerts.

Mr. Johanos has been associate conductor of the orchestra since 1970. Formerly music director and principal conductor for the Dallas Symphony Orchestra, he has made guest appearances with major symphonies both in this country and abroad.

Tickets for the Friday and Saturday performances are on sale through Friday at the HUB Booth and University Auditorium. Phone orders on Master Charge and Bank Americard may be placed by calling 865-1871.

Museum director to talk on contemporary sculpture

Thomas Leavitt, director of Cornell University's Herbert F. Johnson Museum of Art, will speak on "Dimensions of Contemporary Sculpture" at 10:30 a.m. on Tuesday, April 19, in the Museum of Art. His talk is sponsored by the Friends of the Museum.

Dr. Leavitt received his Ph.D. at Harvard University in 1958. He has served as the director of the Pasadena Art Museum, the Santa Barbara Museum of Art and the Andrew Dickson White Museum of Art at Cornell. He was a lecturer at the University of California at Santa Barbara and during 1971-72 was director of the National Endowment for the Arts Museum Program.

Dr. Leavitt is the author of catalogues on a wide variety of subjects. Among them are *The Evolution of Watercolor Painting in America, The Photograph as Poetry, Arts of New Guinea, Albert Bierstadt, Piet Mondrian, American Primitive Paintings, German Expressionism, American Painting in the Nineteenth Century, George Loring Brown* and *Seymour Lipton*.

Black Arts Festival

Films, a talent show, a fashion show, a performance by the Philadelphia Dance Company and a lecture by the author, Claude Browne, will highlight the Black Arts Festival April 22 through 27 at University Park. The sixth annual festival is sponsored by the University's Black Caucus in cooperation with the Paul Robeson Cultural Center. It includes:

— Two films, *The River Niger* and *Rhythmetron* at 7:30 p.m. Friday, April 22, in the Cultural Center. *The River Niger* portrays survival in the Watts ghetto of Los Angeles and stars Cicely Tyson, James Earl Jones, and Lou Gossett. *Rhythmetron* features a performance of the Dance Theatre of Harlem with choreography by Arthur Mitchell, formerly of the New York City Ballet.

— A talent show of singing, dancing and acting at 7:30 p.m. Saturday, April 23, in the Cultural Center. Among those performing will be the Paul Robeson Dance Troupe and the Mass Choir from the Black Christian Fellowship.

— A fashion show of men's and women's clothing from local stores at 7 p.m. Sunday, April 24, in Schwab Auditorium.

— A performance by The Philadelphia Dance Company of a program entitled "Roots/Reflections" at 8 p.m. Monday, April 25, in Schwab Auditorium. The program traces 200 years of black American dance.

— A talk by Claude Browne, author of the autobiography, *Manchild in the Promised Land*, at 8:30 p.m. Tuesday, April 26, in the Hetzel Union Bldg. ballroom.

—A show by sorority and fraternity members at 8 p.m. Wednesday, April 27, in the Cultural Center.

Staff Vacancies

Staff vacancies in this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in INTERCOM may be found in the Penn State REPORTER All University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387) Applications for these staff vacancies will be received until 5 p.m., **Apr. 21, 1977. OO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

PUBLIC RELATIONS ASSISTANT — Hershey — Serve as liaison between department requesting publication, public relations office, and in-house or outside printers and graphic artists with regard to general design and specific illustration of projects which include booklets, pamphlets, periodicals, etc. Bachelor's degree in liberal arts, preferably in art or equivalent training, plus up to one year of directly related experience required.

ASSISTANT DINING HALL SUPERVISOR, HOUSING & FOOD SERVICE OPERATIONS — University Park — Responsible to Dining Hall Supervisor for all phases of a specific dining hall operation. Duties performed under general direction. Bachelor's degree, or equivalent, in food production field plus one to two years' directly related experience.

MEOICAL SOCIAL WORKER I — Hershey — Responsible to the Social Services Coordinator to serve as part of the health care team in providing practical help and emotional support to patients and their families, and assume teaching and consultation function. A bachelor's degree in social work from an accredited college or university, or a bachelor's degree with emphasis in human services field with one to two years' experience in social work, or equivalency.

WPSX highlights

(Continued from page 3)

documentary segments tracing his life in his own words.

Designs for super-cities, plans for growing crops in space, and other visions of the future are examined on the final program of **Cousteau: Oasis in Space** Tuesday, April 19, at 7:30 p.m. Appearing with host Philippe Cousteau are Carl Sagan, Buckminster Fuller, Jacques Cousteau, Herman Kahn and Margaret Mead.

Notes on an American Business continues Tuesday, April 19, at 8 p.m. with two views of the world of work. Filmed inside a Lewistown smelting and refining plant, the Penn State Television program documents the daily working life of a furnace foreman and the foundry supervisor.

The American Short Story, a new series, will offer Flannery O'Connor's "The Displaced Person" Tuesday at 10 p.m. John Houseman stars.

Funding Sources

For further information, call 865-1372

(266-1) The HEW National Institute of Education has a booklet of "**Grants Competitions & RFP's FY 1977**" containing planned procurement actions in educational research. (Ref. sbid)

(266-2) NSF/RANN will be funding research under a **Regulation Research Program** for the purpose of providing a knowledge base for agencies regulating private enterprise. Deadlines have not been announced (Ref. C&U Repi. No. 618)

(266-3) Support for U S. scientists and engineers to apply their experience to specific developmental problems in various countries is available through the **AID/NSF Scientists and Engineers in Economic Development (SEED)** program. Two deadlines per year are anticipated and will be announced. (Ref C&U Repi. No. 618)

Naiads tickets on sale

Tickets for this year's synchronized swimming show, "Graffiti," to be performed by the Penn State Naiads, are on sale at the HUB Desk and Room 105 White Bldg. They will also be available on the nights of the performance, April 21, 22 and 23, at the Natatorium. All tickets are $1, and the doors open at 7:30 p.m. for the 8 p.m. performance.

News in brief

(Continued from page 1)

International Turbulent Shear Flow Symposium

An International Symposium on Turbulent Shear Flows will be held at the University April 18-20, with about 200 participants coming from the United States and such foreign countries as West Germany, England, Canada, Russia and Japan.

University President John W. Oswald will deliver the welcoming address to the symposium, which Dr. Frank W Schmidt, professor of mechanical engineering, helped organize.

The symposium was arranged to advance the understanding of the physical phenomena and existing capabilities for calculating turbulent shear flows, which are irregular, unpredictable fluid motions.

The symposium is a Continuing Education service of the College of Engineering and is sponsored by the U.S. Army Research Office and the U.S. Navy Research Office, in cooperation with the American Society of Mechanical Engineers' Heat Transfer in Fluid Engineering Division.

Winter JGE focuses on International Baccalaureate

The winter issue of the Journal of General Education, published by Penn State's Press, concentrates, according to the editors, on "education seen from an international perspective, especially on the International Baccalaureate, a program (begun in 1970) that corresponds to the first year or two of American colleges' undergraduate work and to the final years of college-preparatory work in most countries." Papers in the issue describe the literature component of the curriculum. The journal is co-edited by Dr. Caroline D. Eckhardt, associate professor of English and comparative literature, and Dr. Robert B Eckhardt, assistant professor of anthropology.

New Fayette number

The new Network Number for the Fayette Campus is 665-7427.

Jewish-Christian Dialogue

The Jewish-Christian Dialogue will hold its last regular meeting at noon Wednesday, April 20, in the small Lounge of the Helen Eakin Eisenhower Chapel. Dr. Luther Harshberger, professor of humanities and religious studies, will discuss "Theological Foundations of the Jewish-Christian Dialogue." More information is available from the Rev. Charles L. Coleman, program director of religious affairs, at 865-6548, who urges all interested faculty members to attend this final meeting.

HUB special dinner

The HUB Terrace Room is offering a special Springtime Serenade dinner from 4:45 to 7 p.m on Friday and Saturday, April 15 and 16. The menu features roast young turkey, steamship round of beef, crab meat delmonico, braised veal with mushrooms and wine sauce, grilled ham steak, and beef roulade.

Daily information on HUB menus is always available by calling the Dial-A-Menu service at 865-1516.

Soviet heart specialists visit Hershey, U. Park

The Soviet Union's top artificial heart scientist spent last week visiting the artificial heart development team at Hershey and University Park. The visitors were Prof. Valeriy Shumakov, director of the Institute of Transplantation of Organs and Tissues in Moscow; Dr. Titsian Egorov, chief of the Laboratory of Artificial Heart and Assisted Circulation at the Institute; and Dr. Valentin Osipov, head of the Laboratory of Artificial Circulation at the All-Union Scientific Research Institute of Clinical and Experimental Surgery.

The visit was part of the cooperative U.S.-U.S.S.R. presidential agreement for Cooperation in Medical Science and Public Health. The Penn State physicians and engineers have been asked to join the collaborative effort currently being carried out under the pact by the Soviets and Dr. Michael DeBakey's team at Baylor College of Medicine in the development of an artificial heart. Dr. William S. Pierce, associate professor of surgery, who hosted the group at Hershey, will visit the Soviet Union as Penn State group representative this fall. Dr. John A. Brighton, professor of mechanical engineering, was the University Park host.

Chemistry laureate is Whitmore lecturer

Nobel Laureate Geoffrey Wilkinson, professor of inorganic chemistry at Imperial College, London, will present the second annual Frank C. Whitmore Lectures at the University April 19-22.

The series of four lectures, sponsored by the Department of Chemistry, are open to the public

All of the lectures will be offered in Room 333 Whitmore Laboratory. Dr. Wilkinson's topics and schedule are as follows: Transition Metal to Carbon Bonds, Tuesday, April 19, 12:45 p.m.; Transition Metal to Hydrogen Bonds, Wednesday, April 20, 12:45 p.m.; Some Aspets of Catalysis, Thursday, April 21, 4 p.m.; and Chemistry of Ruthenium Complexes, Friday, April 22, 12:45 p.m.

Sir Geoffrey Wilkinson received the Nobel Prize in 1973 with E. O. Fischer for pioneering work performed independently on the chemistry of the organometallic "sandwich" compounds. The work was instrumental in bringing the new field of transition metal organic chemistry into being.

Besides the Nobel Prize, Dr. Wilkinson has received the French Chemical Society Lavoisier Medal and the American Chemical Society Award in Inorganic Chemistry. A Fellow of the Royal Society, he is co-author of the leading textbook, *Advanced Inorganic Chemistry*.

The Whitmore Lecture series was established in 1976 to honor the late Dean of Penn State's School of Chemistry and Physics

April 21, 1977 Volume 6, Number 12

Penn State Intercom

News in Brief

Behrend honors Msgr. Nash

Behrend College will present its highest honor, the Medallion Award, to Rev. Msgr. Wilfrid J. Nash, retiring president of Gannon College, at ceremonies on Saturday, April 30. President Oswald will travel to Erie to present the medal.

The Behrend College Medallion distinguishes individuals who, by serving society and by attaining eminence in their chosen field, bring honor to themselves, to their community and to human kind.

Msgr. Nash became the second president of Gannon College on April 30, 1956, and has served as leader of the college, now the nation's second largest Catholic diocesan college, for 20 of its 33 years. He will retire July 1.

During his term as president, enrollment has more than doubled, a graduate school was established, and an extensive building program completed.

Previous recipients of the Behrend College Medallion are Skylab Astronaut Paul J. Weitz and Dr. Russell P. Roth, past president of the American Medical Association.

Heidegger colloquium

Tribute to Martin Heidegger (1889-1976), a colloquium to honor the man and his work, will be held Thursday, April 28, through Saturday, April 30. The program is sponsored by the Department of Philosophy and the Institute for the Arts and Humanistic Studies, and all sessions are open to the public.

Guest lecturers will be Dr. Albert Hofstadter, The New School for Social Research; Dr. John Sallis, Duquesne University; Dr. Jacques Taminiaux, the University of Louvain, Belgium; and Dr. Erich Heller, Northwestern University.

The program will also include performances of Mozart's Adagio and Fugue in C Minor, Quartet in B Flat Major, and Quartet in C Major by the Alard String Quartet. A complete listing of the events appears in this week's calendar.

Heat goes off May 4

The heat will be turned off in academic and administrative buildings at University Park by May 4 and in the residence halls by the end of spring term. Air conditioning will be turned on beginning June 6. In research facilities where equipment or animals might be harmed by heat or humidity, air conditioning will be turned on sooner. According to J. Carroll Dean, manager of energy conservation programs, exceptions will be made only for critical areas, such as the Ritenour Health Center.

UNICARE review urged

Faculty and staff members of the University should periodically review the deduction being taken for their group health insurance (UNICARE) to be certain that they are paying for the correct coverage.

The reason the review should be made is that changes in family status may affect your costs and your coverage. For

(Continued on page 4)

Dr. Stanton, Red Cross, CBS head, is spring commencement speaker

Dr. Frank Stanton, chairman and principal officer of the American National Red Cross and former president and vice chairman of CBS, will deliver the address at spring term commencement exercises on Saturday, May 28.

In making the announcement, President Oswald said, "We are honored



Dr. Stanton

that Dr. Stanton, a man with such a consistent record of distinguished service to our society, has accepted our invitation. His pioneering contributions to the development and growth of the electronics media in this country and his fervent efforts as a guardian of the First Amendment are most noteworthy."

Dr. Stanton, a native of Muskegon, Mich., served CBS as president from 1946 to 1971 and as vice chairman from 1971 until his retirement two years later. He has served in his current position at the American National Red Cross since April 1, 1973. He was chairman of the U.S. Advisory Commission on Information, having been appointed by President Lyndon B. Johnson in 1964 and reappointed to a third three-year term by President Richard M. Nixon.

In 1961, for his sustained effort to bring about the "Great Debates," he received the George Foster Peabody Award and the commendation of President John F. Kennedy, who said, "His role in making it possible for last year's TV debates to take place was a significant advance in American politics. . . ." In 1972, he received a Special Peabody Award for his defense of broadcast journalism and "the people's right to know." This was related to a House Committee's effort to have him cited in contempt of Congress for his refusal to yield non-broadcast materials used in the CBS documentary, "The Selling of the Pentagon." The House voted 226 to 181 not to find Dr. Stanton in contempt.

In 1971, he became the first person to receive for a second time the Paul White Memorial Award of the Radio Television News Directors Association, which cited his "courageous and determined efforts in defending the broadcast journalist's constitutional rights. . . ."

Dr. Stanton served as the founding chairman of the Center for Advanced Study in the Behavioral Sciences. From

(Continued on page 2)

Afghan materials, folk pottery highlights of new Anthropology Museum



Liberal Arts dean Stanley F. Paulson (foreground) examines saddlebags with A. William Engel, Office of Gifts and Endowments. Anthropology head Warren T. Morrill, President Oswald and grad assistant Lori Willey observe.

Saddlebags for a camel, handwoven robes, and a pit loom were among the treasures unearthed in the basement of Sparks Bldg. last week when the new Anthropology Museum was officially opened.

They were part of a collection acquired for the museum by Dr. Louis B. Dupree, adjunct professor in Afghanistan, and had been packed in a large cradle, opened for the first time at the ceremony. The cradle is part of a layette, typical of those used by the villagers of northern Afghanistan, assembled for the museum by Dr. Dupree's wife, Nancy. Mrs. Dupree has also assembled a typical trousseau.

"These items probably aren't very old," James Hatch, director of the museum explained. "But they are used by people who are living a lifestyle that is thousands of years old."

Dr. Frederick R. Matson, research professor of archaeology who has played an active role in the establishment of the museum, said it houses one of the best collections of Afghan materials in the country.

Two years ago, Dr. Matson acquired more than 2,000 pieces of early 20th century folk pottery from the American Museum of Natural History in New York City. That pottery is now on exhibit at the Anthropology Museum.

It was originally part of a collection developed by the late Mrs. Emily Johnson De Forest, and the pieces are representative of items made in Mexico, Central and South America, North Africa, the Far East, and Europe.

The museum also houses a Mesoamerican collection of materials excavated by Penn State anthropologists and other items donated by members of the Penn State faculty.

"We think we have a collection that will be of interest to the casual observer as well as to the scholar," Dr. Hatch said, adding that exhibits will be rotated regularly.

Exhibits that will be shown later include ethnographic collections from Uganda and Peru, a Pennsylvania archaeological collection, and a collection of materials used by the Yanomamo Indians, a South American tribe studied extensively by Napoleon Chagnon, professor of anthropology. In the future, there will be a very large Yanomamo display at the museum, Dr. Hatch said.

University President John W. Oswald and Liberal Arts Alumni Board President Charles Blunt were honored guests at the grand opening ceremony. Mr. Blunt noted that the Alumni Board had selected the museum as a recipient of alumni financial support.

Lori Willey, a graduate assistant, and a volunteer staff of students have helped to prepare the museum.

During spring term, it will be open to the public from 1 to 5 p.m. on Tuesdays and Thursdays, and from 10 a.m. to 1 p.m. on Wednesdays. It can be reached by way of a descending staircase at the center back of Sparks Bldg.

PENN STATE COLLECTION

Faculty Notes

Five liberal arts faculty members and one alumnus were honored at the annual Liberal Arts Career Day Banquet on Thursday, April 14, receiving awards established by the Liberal Arts Alumni Society.

They were **Dr. Paul T. Baker,** professor of anthropology; **Dr. Charles D. Cathcart,** assistant professor of economics; **Rudolph V. Lutter Jr.,** attorney-at-law; **Dr. Paul B. Harvey Jr.,** assistant professor of history; **Samuel P. Bayard,** professor emeritus of English; and **Dr. Beno Weiss,** associate professor of Italian.

Dr. Baker was the recipient of the Distinction in the Social Sciences Award; Dr. Cathcart, the Outstanding Faculty Adviser Award; Mr. Lutter, the Service to Society Award, Dr. Harvey, the Class of 1933 Award for Outstanding Contributions in the Field of Humanities; Dr. Bayard, the Emeriti Distinction Award; and Dr. Weiss, the Distinguished Teaching Award.

Clinical Medicine as Science, Vol. 2, No. 1, of The Journal of Medicine and Philosophy edited by **Dr. K. Danner Clouser,** professor of humanities at Hershey, has recently been issued. Published for the Society for Health and Human Values by the University of Chicago Press, the quarterly journal was established to explore the shared themes and concerns of philosophy and the medical sciences.

Dr. Joseph Jordan, professor of chemistry, presented a seminar at the University of Cincinnati on April 15. His talk was entitled, "Electrochemical Modelling of Hemoproteins."

Dr. Ronald E. Yasbin, assistant professor of microbiology and cell biology, presented an invited seminar at the University of Louisville Cancer Center, April 14-16. His topic was "Possible Carcinogenic Mechanism of 'SOS' Repair."

Dr. John H. Pazur, professor of biochemistry, recently participated in a scientific conference sponsored by the Corn Refiners Association at the Harrison Conference Center, Lake Bluff, Ill. Dr. Pazur presented results of recent work in his laboratory on structure of gluco-amylase, an enzyme used in the industrial manufacture of glucose and corn syrups.

Phillip G. Buchanan, assistant professor of accounting at Capitol Campus, testified on Accounting for Exploration and Development Costs in the Oil and Gas Industry at a Financial Accounting Standards Board public hearing on Financial Accounting and Financial Reporting in the Extractive Industries held recently in New York City.

Dr. Daniel Walden, professor of American studies, spoke on "W. D. Howells and Abraham Cahan: The Dean and the Russian Realist" at the Northeast Modern Language Association Conference held recently at the University of Pittsburgh. In Baltimore, at the Popular Culture Association meeting, he gave a talk on the novels of W E.B. DuBois, and on April 19 and 20 was in residence at Manhattan College as a distinguished visiting professor. He delivered a public lecture there titled "Horatio Alger, The Myth and the Reality.

Dr. Daryl K. Heasley, associate professor of rural sociology extension, was a group facilitator, and **William H. Keown,** assistant professor of engineering at DuBois, was a participant in the National Rural Development Leaders School held recently at Hueston Woods near Oxford, Ohio. The school was sponsored by the U.S. Department of Agriculture Rural Development Service, and Prof. Keown was one of 13 persons from Pennsylvania selected to attend.

Dr. Chester L. Wolford, assistant professor of English at Behrend College, gave two papers at the April Shakespeare Association of America Conference. He spoke on a successor to Smith's *Classified Shakespeare Bibliography, 1936-1958,* and on Shakespeare as a Renaissance dramatist.

Dr. Gerald M. Moser, professor of Portuguese, recently participated in the third annual meeting of the African Literature Association at Madison, Wis. As part of a panel on Portuguese-African literature, Dr. Moser read a paper on "Oscar Ribas as an Angolan Story Writer."

Dr. Robert Lima, professor of Spanish and comparative literature, has been named to the editorial board of *Lexis: Revista de Lingüística y Literatura.* The biannual journal is published by the Department of Humanities at the Pontificia Universidad Católica del Perú. Dr. Lima will also serve as the American representative for the periodical. Articles in the many areas of linguistics and literary theory, as well as in comparative literature, together with informational data (congresses, work in progress, reviews, notes, etc.) will be welcomed.

Dr. Carol V. Gay, research associate in the Department of Biochemistry and Biophysics, presented an invited seminar at the University of Pennsylvania Medical School Department of Physiology on April 14. Her seminar was titled "Carbonic Anhydrase Histochemistry and Physiology."

Dr. Martha T. Halsey, associate professor of Spanish, is the author of a bibliography dealing with a group of contemporary Spanish dramatists who are writing today and beginning to achieve acclaim as the most important generation to emerge, in Spain, in the last four decades. Dr. Halsey's bibliography, entitled "La generación realista: A Selected Bibliography," contains an introduction which analyses the use of the term realism as it is commonly applied to the playwrights she covers. It was published in the spring issue of *Estreno,* a journal of 20th century Spanish theater published at the University of Cincinnati.

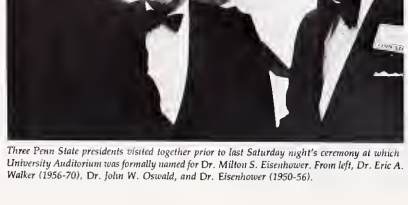
Dr. Joseph P. Yaney, professor of business administration and head of the undergraduate program in that area at Capitol Campus, was chosen to present a paper at a meeting of the National Society for Performance and Instruction in Chicago on April 16. His topic was "Improving Human Performance through Organizational Development and Feedback Techniques."

Dr. Gordon G. Moore, associate professor of chemistry at the Ogontz Campus, is co-author of a chapter on "Synthetic Methods for Carbohydrates," which appears in Volume 39 of the American Chemical Society Symposium Series.

Walter H. Delashmit, research assistant at ARL, presented a paper, "Feature/Edge Pattern Matching Correlation Systems to Achieve Improved Accuracy," at a recent Southeastcon '77 meeting held in Williamsburg, Va. He has also been elected a Senior Member of the Institute of Electrical and Electronics Engineers, Inc.

Dr. Helen B. Meahl, associate professor of sociology, spoke on "Changing Roles in the Family — Two Career Families" at a recent colloquium at Franklin and Marshall College.

Dr. Ronald Keiper, associate professor of biology at Mont Alto, will present three papers to scholarly societies this month. He is addressing the convention of the Pennsylvania Association of Two-Year Colleges at Hershey on "Student Participation in Field Research." He will speak at the annual meeting of the Pennsylvania Academy of Science at Mt. Airy Lodge in the Poconos on "Noctural Behavior of Feral Ponies," and present a third paper, "Behavior, Ecology, and Social Organization of the Feral Ponies of Assateague Island National Seashore," as a part of the second annual Shenandoah Research Symposium sponsored by the National Park Service at the Shenandoah National Park, Luray, Va.



Three Penn State presidents visited together prior to last Saturday night's ceremony at which University Auditorium was formally named for Dr. Milton S. Eisenhower. From left, Dr. Eric A. Walker (1956-70), Dr. John W. Oswald, and Dr. Eisenhower (1950-56).

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INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Application to mail at second-class postage rates is pending at State College, Pa. 16801

Funding Sources

For further information, call 865-1372

(267-1) The Office of Education has re-issued proposed regulations for its **Women's Educational Equity Act Program** and set a May 20 deadline for non-competing continuation applications. Pre-applications for general grants are due April 29; small grant applications, by May 23; and general grant applications, by June 27. Projects to be funded include educational materials, training, research and development, counseling, continuing education, and vocational, career, and physical education. (Ref 42FR17699-713, 4/1/77) (CFDA 13.565)

(267-2) The Office of Education is proposing to amend the **Higher Education Personnel Training Program** to: (1) assist in training personnel from disadvantaged backgrounds, (2) prepare persons to assist disadvantaged students, and (3) meet changing personnel needs. Comments are requested by May 23. (Ref. 42FR18283-86, 4/6/77) (CFDA 13.417)

(267-3) The HEW Office of Education has issued proposed regulations for **Vocational Education State Programs and Commissioner's Discretionary Programs.** Comments are requested by May 9. (Ref. 42FR18541-85, 4/7/77) (CFDA 13.493, 494,495,496,498,499, 500, 501, 502, 503, 504)

(267-4) The HEW Office of Education announces a May 19 deadline for **Public Service Fellowships** — both the fellowship allocations and the institutional grants. Proposed regulations and funding criteria were also released. (Ref. 42FR18902-3 and 18864-7, 4/11/77) (CFDA 13.555)

Dr. Stanton

(Continued from page 1)

1961 to 1967, he served as chairman of The RAND Corporation. Early in his career, along with Hadley Cantril, Dr. Stanton launched the Princeton Radio Research Project under the direction of Paul Lazarsfeld. This project was later moved to Columbia University, where it was expanded into the Bureau of Applied Social Research.

Dr. Stanton concluded in 1975 a study of public diplomacy as chairman of the Panel on International Information, Education and Cultural Relations at Georgetown University's Center for Strategic and International Studies. He is vice chairman of the League of Red Cross Societies (Geneva), a trustee of The RAND Corporation, a graduate member of The Business Council, a trustee of the Carnegie Institution of Washington, a retired trustee of the Rockefeller Foundation, founding member and former chairman of the Business Committee for the Arts, and a director of the Lincoln Center for the Performing Arts. He is a Fellow of the American Academy of Arts and Sciences, the American Association for the Advancement of Science, the American Psychological Association, the New York Academy of Science, and Sigma Delta Chi.

He is a director of American Electric Power, Atlantic Richfield, CBS, The Inter-public Group of Companies, New York Life Insurance, The Observer Ltd. (London), and Pan American.

In 1967, the American Institute of Architects awarded Dr. Stanton a special citation "for his significant achievements in the advancement of man's environment, architecture and the applied arts."

A graduate of Ohio Wesleyan University, Dr. Stanton received his Ph.D. from Ohio State University.

Lecture to honor Arnold

Dr. Carroll C. Arnold, who plans retirement as professor of speech communication, will be honored with a lecture to be presented at the University at 3 p.m. on Saturday, April 30. Dr. Roderick P. Hart, of Purdue University, who completed his graduate work at Penn State, will speak in the auditorium of the Kern Graduate Bldg. on "The Rhetoric of Atheism." The lecture is open to the public.

University Park Calendar

April 21 — May 1

Special events

Thursday, April 21
Deadline for submitting reserve reading lists for summer term to Reserve Reading Room, W11 Pattee
Inter-Disciplinary Programs/Humanities Studies Lecture Muzafer Sherif, 8 p m , Room 101 Kern.
Naiads Water Show, 8 p.m., Natatorium.
University Theatre, *A Doll House*, 8 p.m., Pavilion Theatre.

Friday, April 22
Penn State Scholars Program.
Frank C. Whitmore Lecture. Nobel Laureate Geoffrey Wilkinson, Imperial College, London, on "Chemistry of Ruthenium Complexes," 12:45 p.m., Room 333 Whitmore.
Black Arts Festival films, "The River Niger" and "Rhythmetron," 7:30 p.m., Robeson Cultural Center. Free admission.
Naiads Water Show, 8 p.m., Natatorium.
Sigma Delta Epsilon — Graduate Women in Science — Phi Lambda Upsilon Lecture. Elizabeth O'Hern, National Institute of General Medical Sciences, on "How Well Do Women Fare in the Grants Process?" 8 p.m., Faculty Club.
University Readers, "Eight Cups of Saki," 8 p.m., Room 112 Kern.
University Theatre, *A Doll House*, 8 p.m., Pavilion Theatre.
David Billings, organ, 8:30 p.m., Music Bldg. recital hall.

Saturday, April 23
Penn State Scholars Program.
Phi Psi 500.
College of Science Student Council exhibit, "Dimensions of Science," 10 a.m.-5 p.m., begins in Osmond Lab.
Engineering Undergraduate Council Open House, 10 a.m.-4 p.m., Hammond Gallery.
Family Camera Day with the football team, 1 p.m., Beaver Stadium.
Sports: Men's golf, vs. Kent State, 1 p.m.; women's tennis, vs. Virginia, 9:30 a.m.
Black Arts Festival talent show, 7:30 p.m., Robeson Cultural Center.
Naiads Water Show, 8 p.m., Natatorium.
University Readers, "Eight Cups of Saki," 8 p.m., Room 112 Kern.
University Theatre, *A Doll House*, 8 p.m., Pavilion Theatre.

Sunday, April 24
P.S.O.C. Hiking Division, plant trees on abandoned strip mine in Centre County, free picnic supper. 9 a.m., HUB parking lot.
University Chapel service, 11 a.m., Multi-Purpose Room, Eisenhower Chapel. Joint service with Black Christian Fellowship.
Beta Sigma Beta, Sy Barash Regatta, 11 a.m.-6 p.m., Stone Valley. Rain date, May 1.
Sports: Women's track, vs. Maryland, 1 p.m.
Blue Band Concert featuring Hendley Hoge, percussion, and Jeff Baker, trumpet, 3 p.m., Eisenhower Auditorium. Free admission.
Black Arts Festival fashion show, 7 p.m., Schwab.
Rhea Jacobus, flute, 8:30 p.m., Music Bldg. recital hall.

Monday, April 25
Last date for May graduates to deliver theses to Graduate School office.
Last date for departments to certify to Graduate School completion of required papers for May graduates.
Community Mental Health Nursing Colloquium, 9 a.m., Margaret M. Baltes on "Behavioral Principles Applied to Health Care"; 10:45 a.m., Todd Rogers on "Behavioral Approaches in Obesity Programs"; 2 p.m., Peter S. Houts and Robert A. Scott on "Individualized Goals Planning in Mental Health Rehabilitation," Room 112 Kern.
G.S.A. crafts workshop, 11 a.m., Kern lobby.
Aristotelian Society meeting, 7:30 p.m., Room 2, Faculty Club.
Judith A. Rubin, art therapist, Pittsburgh Child Guidance Center, on "Art Therapy for Children's Growing," 7:30 p.m., Room 112 Kern.
Black Arts Festival, The Philadelphia Dance Company, "Roots/Reflections," 8 p.m., Schwab. Free admission.
Carol Gabler, French horn, 8:30 p.m., Music Bldg. recital hall.

Tuesday, April 26
Community Mental Health Nursing Colloquium. Dwight Harshbarger on "The Use of Behavioral Models in Systems Change," 9 a.m., Room 112 Kern.
G.S.A. crafts workshop, 11 a.m., Kern lobby.
Comp Lit. Luncheon, 12:15 p.m., Faculty Club. Beno Weiss on "Italo Svevo: A Spiritualistic Fantasy."
College of Education faculty luncheon, 12:30 p.m., Room 101 Kern.
Penn State International Council/Persian Club Lecture. N. S. Fatemi, Fairleigh Dickinson University, on "U.S. Policy in the Middle East," 2 p.m., Room 112 Kern.
Shakespeare film, *Macbeth* (Evans/Schaeffer), 6:30 p.m., Room 101 Chambers. Free admission.
Sports: Men's lacrosse, vs. Loyola, 7 p.m.
Archaeological Institute of America Lecture. James Packer, Northwestern University, on "Innovations in the Religious Architecture of the Later Roman Republic," 8 p.m., Room 101 Kern.
Arnots Series Film Festival, Hitchcock, *The Lady Vanishes*, 8 p.m., Schwab.
Charles E. Peterson, architectural historian, planner, and restorationist, on "Can Old Philadelphia Survive?" 8 p.m., Room 111 Forum.
Black Arts Festival Lecture. Claude Browne, author of *Manchild in the Promised Land*, 8:30 p.m., HUB ballroom.

Wednesday, April 27
Sports: Men's baseball, vs. Navy, 3 p.m.
G.S.A. Commonsplace Theatre, *To Kill a Mockingbird*, 7:30 and 9:30 p.m., Room 112 Kern.
Black Arts Festival show by sorority and fraternity members, 8 p.m., Robeson Cultural Center.
Musica da Camera, 8:30 p.m., Music Bldg. recital hall.

Thursday, April 28
Science, Technology and Society Symposium, 9 a.m., Room 112 Kern.
Psychology Graduate Student Symposium. George Spivack, Myra Shure, Ian Mitroff on "Problem Solving Therapies," 10 a.m., Room 101 Kern.
Gentle Thursday, 10 a.m.-10 p.m., HUB lawn.
Sports. Women's lacrosse, vs. Maryland, 2:30 p.m.
Wildlife Society Lecture Leonard Green, Pennsylvania Federation of Sportsmen's Clubs, 7:30 p.m , Room 301 Ag. Admin. Bldg.
Philosophy/Institute for the Arts and Humanistic Studies, Tribute to Martin Heidegger colloquium. 7 p.m., registration, Kern lobby. 8 p.m., opening remarks by Thomas F. Magner, Carl G Vaught and Alphonso Lingis, followed by a performance by the Alard String Quartet, Room 101 Kern.
Institute for the Arts and Humanistic Studies lecture. Robert Stipe, University of N. Carolina, on "The Role of Law in Historic Preservation," 8 p.m , Room 115 EE West.

Friday, April 29
Fixed date for meetings involving Commonwealth Campus faculty.
William Elliot Lecture. R. Morton Darrow, Prudential Life Insurance Company, on "The Future of American Values and Institutions," 9:45 a.m., Room 112 Kern.
Philosophy/Institute for the Arts and Humanistic Studies, Tribute to Martin Heidegger colloquium. 10 a.m., Albert Hofstadter, New School for Social Research, on "How Can a Self Become Authentic?" 3 p.m., John Sallis, Duquesne University, on "Imagination and Truth," Room 405 Keller.
Gallery Talk. Philip Grausman, sculptor, will discuss his exhibit, "Growing Forms," 10:30 a.m., Museum of Art.
Phi Kappa Phi banquet and initiation, 5:30 p.m , HUB ballroom.
Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.

Saturday, April 30
Fixed date for meetings involving Commonwealth Campus faculty.
60th Little International Livestock Exposition, beginning 8 a.m., all day, Ice Pavilion. Free admission.
P.S.O.C. Hiking Division, backpack on Tuscarora Trail, through Sunday
Philosophy/Institute for the Arts and Humanistic Studies, Tribute to Martin Heidegger colloquium. 10 a.m., Jacques Taminiaux, University of Louvain, Belgium, on "The Onto-Theological Foundation of Hegel's Political Philosophy"; 3 p.m., Erich Heller, Northwestern University, on "Poetry in a Destitute Time. Heidegger and the Poets," Room 405 Keller.
Sports: Men's tennis, vs. Pennsylvania, 2:30 p.m.; men's golf, Nittany Lion Invitational; women's lacrosse, vs. Lock Haven, 2:30 p.m.
Speech Communication Lecture in honor of Carroll C. Arnold. Roderick P. Hart, Purdue University, on "The Rhetoric of Atheism," 3 p.m., Room 112 Kern.

Sunday, May 1
Sports: Men's golf, Nittany Lion Invitational.
University Chapel service, 11 a.m., Eisenhower Chapel.
Free U Day, 1-4 p.m., HUB Lawn. Celebration of Free U's sixth anniversary with workshops and demonstrations.
Bob Wright, piano, 3:30 p.m., Music Bldg. recital hall.



Naiads perform this weekend

Exhibits

Kern Commons Gallery: Margery Johnstone and Jean Jeddings, rugs and weavings, and Sylvia Rogers, patchwork quilts, through April 23; Gloria Joseph, photography, through April 30; Sharon Siebert, photography, and Robert Botti, raku pottery, opens April 23, Eleanor Zygler, oils, opens April 30.

Museum of Art: Growing Forms by Philip Grausman, Sculptor; abstract paintings and prints from the permanent collection

Museum of Art HUB Gallery: David Rubello, Recent Works.

Pattee Galleries: Silversmithing by the Art Education advanced crafts class and Mutilated Books, Main Lobby; Jim Masitelli, drawings, East Corridor Gallery; Mike Lucas, drawings, Lending Services Lobby, through April 25; W Zdaniewski, photography, Lending Services Lobby, opens April 26

Zoller Gallery: Invisions, History of Photography, through April 27.

Seminars

Thursday, April 21
Computation Center, "Text Processing (2)," 7:30 p.m., Room 106 Forum.
Health, Physical Education and Recreation, Joseph V. Paterno on "Should One Team Foot the Bill? Financing College Athletics," 7:30 p.m., Room 301 HUB

Monday, April 25
Plant Pathology, Chris Miller on "Horizontal Pathosystems Management 75 Years Down the Drain?" 9:45 a.m., Room 213 Buckhout.
Architecture and Urban Planning. Robert Hershberger, Arizona State University, on "Natural and Passive Adaptation of Houses in Arid Zone Climates," 2 p.m., Room 318 Sackett.
Genetics, Linda DeFord and Beth Sheffler on "The DNA Structure of φX174 Based on DNA Sequence Studies," 3:55 p.m., Room 111 Tyson.
Biochemistry and Biophysics. Gunter Blobel, Rockefeller University, on "Synthesis and Segregation of Secretory Proteins: The Signal Hypothesis," 4 p.m , Room 101 Althouse.
Computation Center, "Text Processing (3)," 8 p.m., Room 108 Forum.

Tuesday, April 26
Biochemistry and Biophysics, Gunter Blobel, Rockefeller University, on "Nuclear Pore Complexes and Associated Lamina," 11:10 a.m., Room 101 Althouse.
Analytical Chemistry, D. H. Waugh on "An Enthalpimetric Approach to Clinical and Biochemical Analysis," 1 p.m., Room 333 Whitmore.
Remote Sensing, F. Y. Borden, B. F. Meremberk, and Danielle Applegate on "New Office for Remote Sensing of Earth Resources Programs for Analysis of Satellite and Aircraft Digital Data," 1 p.m., Room 225 Electrical Engineering West.
Solid Waste Management, Burnell Vincent, Office of Solid Wastes, EPA, Washington, on "Regional Solid Waste Reports and RCRA," 2:20 p.m., Room 126 Sackett.
History, panel discussion, "Mining Technology in Pre-Industrial Societies" F-tu Zen Sun on "Mining Technology in Traditional China"; Michael R. Werner on "Mining Technology in the Roman Empire"; Paul B. Harvey on "Manpower for the Roman Mines," 3:30 p.m., Room 225 HUB.
Chemical Engineering, R. Boyer, Midland Macromolecular Institute, on "The Nature of Glass Transition and Secondary Transitions in Polymers," 3:45 p.m., Room 140 Fenske.
Inorganic Chemistry, Robert Ritchie on "The Application of ESCA in Inorganic Chemistry," 8 p.m., Room 333 Whitmore.

Wednesday, April 27
Bio Engineering, Walter T. Miller III on "Simulation Studies of the Electrocardiogram in Ischemia and Infarction," 4 p.m., Room 329 Electrical Engineering East.
Fuel Science, Zenen Antoniak on "High-Temperature Solar Collector with an Archimedes Concentrator," 4 p.m , Room 301 Mineral Industries.

Thursday, April 28
Food Science, Daniel Schwartz, Eastern Regional Research Center, USDA, on "Applications of Macrocolumns for Chemical Modifications and Microanalyses of Lipids," 11 a.m., Room 202 Borland.
Chemistry, Geoffrey A. Ozin, University of Toronto, on "Modeling Catalytic Reactions on Transition Metal Atoms," 12:45 p.m., Room 333 Whitmore.
Industrial Engineering, Donald Gross, George Washington University, on "Queueing Models for Spares Provisioning," 3:45 p.m., Room 214 Hammond
Transportation Systems Management, Thomas Kotay, Penn DOT Bicycle Planner, on "The Role of Bicycles and Bicycle Facilities in Transportation Systems Management," 3:55 p.m., Room 111 Boucke.
Acoustics, Jeremy L. Walter, National Science Foundation Fellow, on "Control Value Noise — Its Generation Mechanisms, Propagation and Prediction," 4 p.m., Room 71 Willard.
Macrobiology and Cell Biology, Timothy J. Donohue on Effect of Cultural Conditions on the Level of Metabolic Intermediates during Growth and Sporulation of *Bacillus Licheniformis*," 4 p.m., Room 52 Frear.
Computation Center, "Text Processing (4)," 7:30 p.m., Room 108 Forum.

Friday, April 29
Ceramic Science, Katsutoshi Komeya, Toshiba Research and Development Center, on "Research on Nitrogen Ceramics at Toshiba," 2 p.m., Room 301 Mineral Industries.

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News in brief

(Continued from page 1)

example, when you get married, when you have a first child, or when your spouse stops working for the University, you run the risk of having inadequate dependent coverage unless you do something about it.

You should check your coverage if any of the following circumstances anse:

1. Your spouse or only dependent child begins working for the University as a regular employee.
2. Your spouse or only dependent child dies.
3. You are divorced.
4. Your only dependent child enters military service or reaches age 19 (or 23 in the case of a full-time student).
5. Your only dependent child gets married.
6. Your spouse reaches age 65.

How do you know if you have the right coverage or are paying the right amount? Compare the amounts shown on your salary check stub with the amount you should be paying as shown in the following table:

Insured Persons	Monthly	Bi-weekly
Employee only	None	None
Employee, child, children	$1.75	$0.80
Employee, spouse	$3.60	$1.66
Employee, spouse, child or children	$5.00	$2.30

(These rates apply when all insured persons are under age 65. Persons over age 65 are insured in a different plan at no cost)

If a change should be made, call, write, or visit the Employee Benefits Division, Room 133 Willard Bldg., 865-1473. Faculty and staff members at locations away from University Park may receive assistance by contacting their Personnel Officer or Business Manager.

The University has no way of knowing whether a change should be made, so it is the employee's responsability to keep the records up to date and accurate. No refunds for overpayment will be made unless it is shown the University was in error.

R. Morton Darrow to give William Elliott Lecture

R. Morton Darrow, vice president for planning and analysis in the public affairs department of the Prudential Insurance Company, will deliver the William Elliott Public Lecture at 9.45 a.m. on Friday, April 29

The talk on "The Future of American Values and Institutions" will be held in the Assembly Room of the Kern Graduate Bldg. It will open the two-day William Elliott Invitational Conference, named for the chairman of the executive committee of the Philadelphia Life Insurance Company who has been a supporter of programs in the College of Business Administration, sponsor of the conference.

Northwestern expert to talk on late Roman temples

"Innovations in the Religious Architecture of the Later Roman Republic" is the topic of a lecture to be presented by James Packer, professor of classics at Northwestern University, at 8 p.m. on Tuesday, April 26, in Room 101 Kern Bldg. The lecture is sponsored by the Central Pennsylvania Society of the Archaeological Institute of America.

Dr. Packer, who holds a Ph.D. in classics from Berkeley, has written a number of articles on Roman buildings in Pompeii, Herculaneum and Ostia.

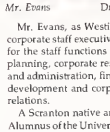
Middle East lecture

Dr. N. S. Fatemi, distinguished professor of international affairs and director of the Graduate Institute of International Studies at Fairleigh Dickinson University, will discuss "U.S. Policy in the Middle East" at 2 p.m. on Tuesday, April 26, in Room 112 Kern Graduate Bldg. His talk is sponsored by the Penn State International Council and the Persian Club.

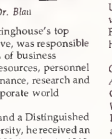
Dr. Fatemi has written five books in Persian and in addition is the author or co-author of *Diplomatic History of Persia, Oil Diplomacy, The Dollar Crisis, The Contemporary Middle East, Humanities in the Age of Science, Problems of Balance of Payments and Trades, Multinational Corporations* and *Sufism*. He is also the co-author of the *Report on Palestinian Refugees* published by the Institute of Middle Eastern Affairs.

Two Fellows visiting

Marshall K. Evans, retired vice president of Westinghouse Electric Corporation, and Dr. Theodore H. Blau, president of the American Psychological Association, are at University Park this week as Alumni Fellows in Business Administration and Human Development, respectively.



Mr. Evans



Dr. Blau

Mr. Evans, as Westinghouse's top corporate staff executive, was responsible for the staff functions of business planning, corporate resources, personnel and administration, finance, research and development and corporate world relations.

A Scranton native and a Distinguished Alumnus of the University, he received an M.B.A. from Harvard University in 1940, two years after graduating from Penn State, where he earned a Phi Beta Kappa key. He is a past chairman of Penn State's Alumni Council.

When Dr. Blau was elected president of the American Psychological Association, it marked the first time a full-time private practitioner had been elected to the post. He holds B.S., M.S. and Ph.D. degrees from Penn State and, in addition to his full-time practice, is clinical professor of psychiatry at the University of South Florida Medical School.

Councils to sponsor open houses April 23

The Undergraduate Council of the College of Engineering and the Student Council of the College of Science are sponsoring day-long tours of their respective colleges beginning at 10 a.m. on Saturday, April 23. The programs, which are geared to high school students, will feature exhibits, tours and demonstrations. Engineering will hand out tour guides in Hammond Bldg.; Science tours start in Osmond Lab.

Stipe to speak on preservation

Robert Stipe, a professor in the Department of City and Regional Planning at the University of North Carolina-Chapel Hill, will speak on "The Role of Law in Historic Preservation" at 8 p.m.on Thursday, April 28, in Room 115 Electrical Engineering West. His lecture is sponsored by the Institute for the Arts and Humanistic Studies.

Blue Band concert April 24

The Penn State Blue Band will present its annual spring concert at 3 p.m. on Sunday, April 24, in Eisenhower Auditorium. The concert band, under the direction of Dr. Ned C. Deihl, professor of music education, will perform works by Wagner, Haydn, Creston, Persichetti, Bernstein, Milhaud and Sousa. The program, ranging from 18th century to contemporary works, includes two soloists. Featured will be Jeff Baker playing Haydn's Concerto for Trumpet and Hendley Hoge performing Milhaud's Percussion Concerto. The first James W. Dunlop Memorial Scholarship, honoring the former Blue Band director who died in August 1975, will be presented. Admission to the concert is free.

Musica da Camera concert is April 27

Benjamin Britten's Simple Symphony will open the concert to be given by Musica da Camera at 8:30 p.m. on Wednesday, April 27, in the Music Bldg. recital hall. The University chamber orchestra is conducted by Dr. D. Douglas Miller, associate professor of music.

The program also includes Suite for Strings by Burt Fenner, associate professor of music at the University; Divertimento in D major, K. 136 by Mozart; Adagio for Strings by Samuel Barber; and Rumanian Folk Dances by Bela Bartok.

Wind Ensemble to perform April 29

Under the direction of Smith Toulson, associate professor of music, the University's Symphonic Wind Ensemble will present a concert at 8:30 p.m. on Friday, April 29, in the Music Bldg. recital hall.

The program includes The Overture to *Colas Breugnon* by Dmitri Kabalevsky; *Anatolia (A Turkish Rhapsody)* by Paul Creston; Concerto for Percussion and Wind Ensemble by Karel Husa; Dedication Fanfare by William Schuman, and the Second Suite of Gustav Holst. The program concludes with a Grand Serenade.

Guest soloists for the concert are Owen Devine, John Floyd, Ric Hoover, Carol Lindsay, Overda Page, and Donald Schade.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be accepted until 5 p.m. **Apr. 21. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

ADMINISTRATIVE AIOE, COLLEGE OF HUMAN OEVELOPMENT — University Park To assist the director of an assigned division director with the administration of the divisional activities such as planning and preparing research and department budgets, scheduling classes, course registration, etc.; supervise and train clerical staff; maintain liaison with the Office of Administrative Services and Associate Dean for Undergraduate Education, and keep abreast of College and University policies and procedures. Bachelor's degree, or its equivalent, preferably in business administration or a related field, with one year of related administrative/supervisory experience.

UNOERGRAOUATE STUOENT COUNSELOR, COLLEGE OF BUSINESS AOMINISTRATION — University Park Responsible to the Assistant Dean for Students for the establishment and maintenance of an academic information support program and for providing guidance and counseling to undergraduate students. Master's degree in counselor education or equivalent, plus a minimum of two years of directly related experience in academic/vocational counseling required. Position funded from July 1, 1977, through June 30, 1978

Eight alums seek trustee positions

Eight University alumni are seeking three positions on the Board of Trustees.

An election is being conducted by mail, and ballots must be returned no later than 9 a.m. on Thursday, May 26.

Ballots are mailed to graduates who have, within two years prior to March 1, been either active members of the Penn State Alumni Association or contributors to the Penn State Fund. Other graduates will be provided ballots if they request them from the Secretary of the Board of Trustees, Room 203 Old Main.

The graduates who have qualified as nominees are:

Walter J. Conti '52, owner, Conti Cross Keys Inn, Doylestown; Gregg Lee Cunningham '72, attorney, District Court Administrator for Centre County, State College; George T. Hennng Jr. '63, vice-president and controller, Lykes Resources, Inc., Pittsburgh; Ralph D. Hetzel Jr. '33, provost and vice-president, California Institute for the Arts, Valencia, Cal.; Benson Lichtig '73, president, Nittany Clothiers, Inc., State College; Phobe Forrest Link '47, educator, author, social group worker, Boalsburg; Mary Kay Plantes '73, economist, Congressional Budget Office, Washington, D.C.; and Charles W. Shaeffer '33, consultant, past president and chairman of the Board, T. Rowe Price Associates, Inc., Baltimore, Md

Mr. Conti, Mr. Hetzel, and Mr. Shaeffer are incumbents; Mr. Lichtig served on the Board from 1971 to 1973, while an undergraduate, having been appointed by the Governor of the Commonwealth.

WPSX Highlights

The first national television test on sex differences is featured on **Woman Alive** Friday, April 22, at 10 p.m. The test is based on a Harris Poll on sexual attitudes commissioned for the series. It explores the real and imagined differences between men and women and the gap between cultural attitudes and physical reality.

The process by which Central Pennsylvanians can assess their community's strengths and weaknesses as the first step in solving community problems is the focus of **Small Town Repair Kit** Tuesday, April 26, at 7 p.m. The half-hour special follows a group of Clearfield residents who met in March to review that community's assets and problems and to set some goals for the future. Also featured on the program is a survey of the economic and social challenges facing the WPSX viewing area and a simulation exercise that provides viewers with an opportunity to begin setting their own priorities. The program was produced by WPSX as a continuing education and community service of the College of Human Development, with associate professor Fred Fisher as project director.

A filmed version of Stephen Crane's "The Blue Hotel" will be presented on **The American Short Story** Tuesday, April 26, at 10 p.m. Directed by Academy Award-winner Jan Kadar, the story tells of a young Swedish immigrant who arrives at a Nebraska frontier town in the 1880s expecting to find the wild west of dime novels.

Heinrich von Kleist's rarely staged dramatic masterpiece, *The Prince of Homburg*, will be presented on **Theater in America** Wednesday, April 27, at 9 p.m. Written in 1811 the play is based on a 17th century incident in which a young Prussian nobleman defeated an invading Swedish army by attacking against orders.

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Penn State Intercom

Biohazards group will establish DNA safeguards

A University Biohazards Committee has been organized to establish appropriate safeguards and controls for recombinant DNA research that may be carried out at Penn State. Similar responsibilities for other biohazardous material have been assigned to the committee.

"Although Penn State has no recombinant DNA research underway at this time, organization of this committee was felt to be a necessary preparatory step," says Dr. Richard G. Cunningham, vice president for research and graduate studies. "The committee's main objective is to see that recombinant DNA research is carried out safely, according to regulations issued by the National Institutes of Health."

The Biohazards Committee will advise the vice president for research and graduate studies on policies pertaining to recombinant DNA research, create and maintain a central reference library of resource material on all aspects of this specialty, develop safety manuals for specialized facilities that might be built for this research, and certify that proposals for support of such work have been reviewed and approved by the committee.

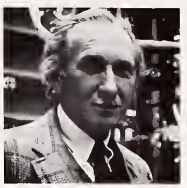
Committee members, all of whom have backgrounds in the life sciences, are Dr. John J. Docherty, associate professor of microbiology; Dr. Fred Ferguson, director, Centralized Biological Laboratory; Dr. Ralph O. Mumma, professor of chemical pesticides; Dr. Stanley Person, professor of biophysics; Dr. Ralph E. Pilgram, M.D. Ritenour Health Center; Dr. James W. Shigley, professor of biochemistry; Dr. Samuel H. Smith, professor of plant pathology; Dr. Joseph J. Villafranca, assistant professor of chemistry; Dr. Ronald Yasbin, assistant professor of microbiology; and Dr. Arian Zarkower, chairman, associate professor of veterinary science. Dr. George P. Barron, professor and director of the Pesticides Laboratory, is an *ex officio* member representing the vice president for research and graduate studies. A non-University member is to be added to the committee.

"Without University assurance that proposals based on recombinant DNA research meet NIH guidelines, NIH will not process or fund them," explains Dr. Cunningham. "There is little doubt that other agencies will adopt the same regulations; the U.S. Department of Agriculture already has. The rationale for this committee is much the same as that for human subjects review committees, which operate to protect the researcher and the University, as well as the public."

Dr. Cunningham noted that formation of the committee does not lessen the principal investigator's responsibility for safety of project personnel and for appropriate control of the research.

Federal regulation of recombinant DNA research has been called for by the scientific community as well as the public, but the NIH regulations have been called too strict by some and too lenient by others. Nevertheless, federal control is seen as preferable to a patchwork group of unequal local and state regulations, which could well be chaotic.

(Continued on page 4)



Skell elected to National Academy

Dr. Philip S. Skell, Evan Pugh Professor of Chemistry, has been elected to the National Academy of Sciences, one of the highest honors that can be accorded to an American scientist.

A member of the faculty since 1952, Prof. Skell is internationally known for his contributions to the fields of carbene, carbonium ion, free radical, and single atom chemistry. Sometimes called the "Father of Carbene Chemistry," he is probably most widely known for the "Skell Rule," which deals with the probability of singlet to triplet interconversions of reacting species and was first applied to carbenes. Recently, his work on reactions of metal atoms has led to a whole new basic chemistry of free atoms.

Senate nominees to be presented

Nominees for leadership posts in the University Faculty Senate will be named at the May 3 meeting of the Senate. Additional nominations will be accepted from the floor at that time.

Candidates selected at the April 19 meeting of the Nominating Committee for the position of chairman-elect are Gordon Bowker, associate professor of engineering at the Mont Alto Campus; Thomas D. Larson, professor of civil engineering and director of the Pennsylvania Transportation Institute; and Lee W. Saperstein, associate professor of mining engineering and head of the Mining Section.

For secretary of the Senate, the Nominating Committee will present the name of Barton W. Browning, associate professor of German; Evelyn A. Hovanec, associate professor of English at Fayette Campus; Stuart H. Mann, associate professor of operations research; Wayne K. Murphey, assistant director of the School of Forest Resources and professor of wood technology; and Miles T. Pigott, professor of engineering research and head of Exploratory and Foundational Research at the Applied Research Laboratory.

In addition, the Senate will consider a report presented at the April 5 meeting by the University Task Force on Retention and Transfer of Students in Baccalaureate Program Majors.

According to the Task Force, the University's basic system of admissions, retention, and transfer of baccalaureate

(Continued on page 4)

News in Brief

PSUPA withdraws professional staff petition

The Pennsylvania State University Professional Association (PSUPA) PSEA/NEA, in a letter to Pennsylvania Labor Relations Board Executive Director, James Wildeman, has notified the Labor Board of its desire to withdraw its petition seeking to represent the non-teaching professional staff of Penn State. Unit determination hearings, scheduled to begin April 28-29, have been canceled.

Housing referral service

The Faculty Women's Club maintains a housing referral service which can put faculty and staff in touch with newcomers to the University who want to rent a house or apartment. At present, the service has a large number of persons interested in short (summer) term vacancies, as well as those of longer duration in the State College area.

Persons with a house or apartment to rent or sublet should contact the service at 865-1538 or stop by the office, Room 313 Willard Bldg. The office is open from 9:30 to 11:30 a.m. on Tuesdays and from noon to 2 p.m. on Thursdays. There is a $2 listing fee for Faculty Women's Club members, $4, for non-members.

Knights to joust on Old Main lawn

A division of the Society for Creative Anachronism, a national organization for people with an interest in the Middle Ages, will be at University Park to display birds of prey similar to those used in medieval falconry and to demonstrate eleventh-century foot combat.

Participants will attempt to recreate authentic eleventh-century Norman weapons and dress for the demonstration, which will take place at 10:30 a.m. Saturday, April 30, on Old Main lawn.

(Continued on page 4)

1977-78 budget planning proceeds, President says

University President, John W. Oswald, has announced that the University is continuing planning for the 1977-78 operating budget. President Oswald indicated that budget planning is in process every year at this time. This particular year, however, the task is made more difficult because of the inadequacy of the recommended level of the State appropriation, the added uncertainties in the ultimate amount of the appropriation and in the timing of Legislative action.

In order to proceed with the development of the operating budget for 1977-78 in the face of these uncertainties, the University has instituted position control procedures. The procedures provide for control of new hiring in all personnel categories. Exceptions to the limit on new hiring may be made only for those positions judged "absolutely essential" for three purposes: to maintain essential levels of academic programming, to maintain essential operations related to the health and welfare of persons, and to fulfill conditions of externally funded grants and contracts.

Temporary procedures for the control of new hiring in all personnel categories are necessary because of the general uncertainty in both the timing and ultimate amount of the State appropriation. The Governor's recommended appropriation increase for Penn State, Pitt and Temple is less than three percent above the level of the current year. It includes no additional support for Penn State's College of Medicine at Hershey. At the current level, the Governor's recommendation does not fund several very basic and mandated needs Penn State faces.

"As in prior years," Dr. Oswald emphasized, "the budget planning is designed to provide maximum economic support and security for persons now employed by the University."

21 receive research initiation grants

Twenty-one faculty members were awarded one-year Research Initiation Grants ranging from $3,000 to $9,400 from a fund approved by President Oswald for the encouragement and support of research and other creative work.

The 1977 Research Initiation Grants program was open to new faculty members at all campus locations, with a service accumulation of two calendar years or less by September 1976.

A call for proposals is issued in January of each year, explains Dr. Richard G. Cunningham, vice president for research and graduate studies. The program of small grants is organized to support lines of research that may lead to external sponsorship.

Sixty-two proposals were screened by a committee which included Theodore R. Vallance (chairman), William H. Allison, Jean E. Brenchley, J. Larry Duda, Arnulf Muan, and Forrest J. Remick (ex officio).

Faculty members awarded grants and the proposal titles are:

Robert C. Aber, assistant professor of medicine at Hershey, Influence of selected plasmids on the serotype of *Pseudomonas aeruginosa* strains; **John A. Burris**, assistant professor of biology, The effect of photorespiration on the afternoon depression in photosynthesis of aquatic plants; **Robert L. Butterworth**, assistant professor of political science, Assessing the impact of the arms control impact statement; **Bertrand M. Davezac**, associate professor of art history, Opening a new province in the study of Carolingian art;

John W. Halloran, assistant professor of ceramic science, Sintering of agglomerated powders; **Harriet Isom**, assistant professor of microbiology at Hershey, *In vitro* study of interrelationships of herpes virus infection with differentiated functions of isolated hepatocytes, **Richard C. Knopf**, assistant professor of recreation and parks, Allegheny National Forest backcountry trail users — their preferences, values, perceptions of

(Continued on page 4)

PENN STATE COLLECTION

Faculty Notes

Dr. William Bradley, an associate professor in the Division of Art and Music Education, was invited by the French government to participate in a congress on research in art. The meeting was held this month in Sevre, France.

Dr. Louis Winkler, assistant professor of astronomy, recently received an Honorable Mention award for an article appearing in the publication of the Griffith Observatory. In addition, he received a grant from the American Philosophical Society, the oldest scholarly U.S. society, for support of a study of Ben Franklin's astrology in Poor Richard almanacs, and he was named a Daniels Fellowship Alternate of the American Antiquarian Society to pursue summer study at the society's headquarters in Worcester, Mass.

Dr. Gregory L. Geoffroy and **Dr. George W. Gokel,** assistant professors of chemistry, recently presented seminars at The University of Delaware. Dr. Geoffroy's talk was titled "Photochemistry of Transition Metal Hydride Complexes and Synthesis of Transition Metal Clusters," and Dr. Gokel's talk was titled "Recent Advances in Phase Transfer Catalysis." Dr. Geoffroy also presented two papers at the American Chemical Society meeting in New Orleans where he chaired one of the sessions. He discussed "Photoinduced Cleavage of Oligomeric Iridium Isocyanide Complexes" and "The Designed Synthesis of $H_3FeRu_3Os(CO)_{13}$ and $H_2FeRu_2Os_2(CO)_{13}$. The First Examples of Clusters Comprised of Three Different Transition Metals." Dr. Gokel presented a paper, "Crown Ether and Quaternary Ion Mediated Displacements in Aryldiazonium Compounds," at the New Orleans meeting. He also gave a seminar at Georgia Tech titled "Crown Ethers and their Cation Complexes."

Dr. John C. Snowdon, professor of engineering research at the Applied Research Laboratory, has recently been named a Fellow in the British Institute of Acoustics.

Mark Kovacic, senior assistant librarian, has been awarded a 1977-78 fellowship from the Council on Library Resources to study the organization and function of gift and exchange programs in 18 U.S. academic libraries.

Dr. James Kingsland, assistant professor of political science, is the author of an article, "A Gambian Chieftaincy Election," for The Journal of Modern African Studies.

Dr. Henry W. Johnstone, professor of philosophy, is the author of an article, "An Approach to Problematology," in the Southern Journal of Philosophy.

Dr. Joseph W. Michels, professor of anthropology, presented two papers at the Fourth Biennial Meeting of the Society of Africanist Archaeologists in America in New Orleans on April 27. His topics were "The Axumite Kingdom, Ethiopia: Political Evolution and Changing Settlement Pattern" and "Megalithic Tumuli of Southern Tunisia: Chronological, Ecological and Cultural Implications of their Distribution." Prof. Michels was awarded a Faculty Research Fellowship last fall by the Institute for the Arts and Humanistic Studies to conduct field work in Southern Tunisia.

Dr. L. N. Mulay, professor of solid state science, presented an invited talk, "Semiconductor-to-Metal Transitions in the Oxides of Titanium using Magnetic Probes" at a symposium on Advances in Solid State Chemistry and another paper on "Titanium Oxides for Photocatalysis of Water using Solar Energy" at the spring meeting of the American Chemical Society in New Orleans. The co-authors of the two papers were **Dr. JohnF. Houlihan** and **Dr. David P. Madacsi,** both assistant professors of physics at Shenango Valley.

Dr. Frank Clemente, associate professor of sociology, was one of five energy experts interviewed for an article in the April 18 issue of U.S. News & World Report. Dr. Clemente, a specialist on socio-economic impact of energy source development, has written extensively on how a community can maximize the benefits of energy projects. Dr. Clemente also edited the January issue of The Annals of the American Academy of Political and Social Science, devoted to the topic, "The New Rural America."

John W. Davis, research assistant with the Center for Air Environment Studies, co-authored a paper with **John M. Samuels,** assistant professor of industrial engineering, for presentation at the American Foundrymen's Society 81st Casting Congress this month in Cincinnati, Ohio. The paper is titled "Meeting OSHA Silica Air Quality Standards by Sand Substitution."

Dr. Graham B. Spanier, assistant professor of human development, is the author of an article in the winter issue of "Adolescence" entitled "Measuring Social Class among College Students: A Research Note."

Eric J. Zanot, assistant professor of advertising, presented a paper at the national meeting of the American Academy of Advertising in Minneapolis recently. His topic was "An Analysis of the Performance of the National Advertising Review Board during Its First Five Years."

The second edition of *Educational Psychology: Focus on the Learner* by **Dr. Lita L. Schwartz,** professor of educational psychology at the Ogontz Campus, will be released this month by Holbrook Press. On April 5, Dr. Schwartz presented "Learning With Each Other," a paper dealing with opportunities for interdisciplinary research and teaching between educational psychologists and colleagues in other fields, at the American Educational Research Association in New York.

The entire faculty of the Institute of Public Administration took part in the 1977 Annual Conference of the American Society for Public Administration held in Atlanta, Ga., from March 30 to April 2.

Dr. Robert LaPorte Jr., professor of public administration, served on the program committee for the conference and coordinated panels for a section on "International and Comparative Administration." **Dr. Robert D. Lee Jr.,** associate professor of public administration, and **Thomas C. Webster,** assistant professor of public administration, served as chairpersons for panels.

Dr. James C. McDavid and **Dr. Theodore H. Poister,** assistant professors of public administration, presented a paper, "A Comparative Analysis of City Residents' Preferences for Increased Levels of City Services." **Dr. Robert J. Mowitz,** director of the Institute, served as a symposium discussant, and **Dr. John M. Stevens,** assistant professor of public administration, served as a symposium evaluator.

Vera Hospodka has been appointed senior assistant librarian at the King of Prussia Graduate Center. She has degrees from Charles University, Prague, Czechoslovakia, in elementary education and library science and was formerly assistant curator, Courant Institute of Mathematical Sciences, New York University.

Deborah F. Hunter, instructor in speech communication, is the author of an article, "The Aftermath of Carl Stokes: An Analysis of Political Drama in the 1971 Cleveland Mayoral Campaign," in the March issue of The Journal of Black Studies.

Dr. Charles S. Prebish, assistant professor of religious studies, was the featured speaker on a panel considering "Popularization and Sectananism" at a conference on "The Flowering of Buddhism in America," held at Syracuse University April 15-17. Dr. Prebish gave a paper, "Buddhism in America: Some Cultural Reflections on the Last Twenty-Five Years."

Dr. Gerald M. Phillips, professor of speech communication, published an article in the January 1977 issue of Communication Education. The title of the article is "Rhetoritherapy Versus the Medical Model: Dealing with Reticence."



Henry O. Patterson, Berks Campus instructor of psychology, treated his Psych 13 class to a live demonstration of the developmental stages of a 10-week old baby by bringing in his own daughter, Kimberly Ann.

Gerontology Center funds 14 projects

Fourteen projects totaling $23,627 have been funded by the Gerontology Center in the College of Human Development as the result of a Developmental Grant Program in Gerontology announced last January by the center.

Faculty were invited to submit proposals for up to $2,500 each in the areas of research, instruction and continuing education/community service.

The program, aimed at stimulating and improving University-wide gerontological research and instructional capacity, attracted 32 proposals. Judging was done by the Intercollege Faculty Academic Committee of the Gerontology Center. Recipients, by College, with their proposal titles, are:

Agriculture: **Ruth Ann Wilson,** associate professor of clothing extension, a community service pilot project for Adaptive Clothing Volunteers.

Education: **Jean O. Britton,** professor of education and psychology, **George R. Hudson** and **James W. Kelz,** professors of education, a proposal to develop a course on Counseling of Adults, Middle-aged and Older; **Thomas Frank,** assistant professor of audiology, and **Richard A. Clouser,** professor of deaf education, Speech Discrimination and Lipreading Ability in the Elderly.

Engineering: **Luis H. Summers,** associate professor of architectural engineering, The Use of Simulation for Design of Gerontological Environments.

Health, Phys. Ed. & Rec.: **Elaine J. Anderson,** assistant professor, and **Elaine W. Young,** instructor, health education, An Initial Approach to Instructional Videotapes in the Area of Sexuality and Aging; **Richard W. St. Pierre** and **Robert E. Shute,** assistant professors of health education, An Initial Approach to Modular Programming in the Area of Consumer Health Education for the Aging; **Monty L. Christiansen,** associate professor of recreation and parks, **Patricia Farrell,** associate professor and chairperson, recreation and parks, **Herberta M. Lundegren,** professor of physical education, and **Karl G. Stoedefalke,** associate dean and professor of physical education, A Fit Trail for Senior Adults Ages 60, 65, and 70.

Human Development: **Maximiliane Szinovacz,** assistant professor of human development, Female Retirement: Effects on Spousal Roles and Marital Interaction Patterns; **Ina Wolinsky,** associate professor of nutrition, Effect of L-Lysine on the Intestinal Absorption of Calcium in Aging Rats; and **Helen S. Wright,** associate professor of nutrition, Food Selection Determinants of Persons 65 Years and Older.

Liberal Arts: **Frank J. Landy,** associate professor of psychology, Age Bias in Personnel Evaluation.

Medicine: **William P. Graham III,** professor of surgery, chief of plastic and reconstructive surgery, and **Irena Rusenas,** A Study of Sensory Nerve Regneration in the Aging Monkey.

Science: **Edward W. Wickersham,** associate professor of zoology, Development of Instructional Materials and Programs on the Role of Human Sexuality in the Later Years of Life.

Human Performance Lab: **Elsworth R. Buskirk,** director, and **Patricia C. MacKeen,** PHS post-doctoral trainee, Follow-up Study of Participants in a Physical Conditioning Program for Middle-Aged Women Conducted during Summer 1975.

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INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Application to mail at second-class postage rates is pending at State College, Pa. 16801

University Park Calendar

April 28 — May 8

Special Events

Thursday, April 28
Gentle Thursday, until 10 p.m., HUB lawn.
Wildlife Society Lecture. Leonard Green, Pennsylvania Federation of Sportsmen's Clubs, on "The 'Game' People Play," 7:30 p.m., Room 301 Ag. Admin. Bldg.
Philosophy Institute for the Arts and Humanistic Studies, Tribute to Martin Heidegger Colloquium. 7 p.m., registration, Kern lobby. 8 p.m., opening remarks by Thomas F. Magner, Carl G. Vaught and Alphonso Lingis, followed by a performance by the Alard String Quartet.
Departments of English, German and Medieval Studies Program Lecture. Constance Heatt, University of Western Ontario, on "Medieval Cookery," 7:30 p.m., Room 265 Willard.
Institute for the Arts and Humanistic Studies Lecture. Robert Stipe, University of North Carolina, on "The Role of Law in Historic Preservation," 8 p.m., Room 115 EE West

Friday, April 29
Fixed date for meetings involving Commonwealth Campus faculty.
William Elliot Lecture. R. Morton Darrow, Prudential Life Insurance Co., on "The Future of American Values and Institutions," 9:45 a.m., Room 112 Kern.
Philosophy Institute for the Arts and Humanistic Studies, Tribute to Martin Heidegger Colloquium 10 a.m., Albert Hofstadter, New School for Social Research, on "How Can a Self Become Authentic?" 3 p.m., John Sallis, Duquesne University, on "Imagination and Truth," Room 405 Keller.
Gallery Talk. Philip Grausman, sculptor, will discuss his exhibit, "Growing Forms," 10:30 a.m., Museum of Art.
Prof. Blake Lee Spahr, UC-Berkeley, on "The Amateur Ph.D.," 2:15 p.m., Room 320 HUB
Phi Kappa Phi banquet and initiation, 5:30 p.m., HUB ballroom.
Physical Education Department and Interlandia Folk Dance Club, International Dance Workshop, 7:30 p.m., Room 133 White.
Japanese Language and Literature films, "Journey to Western Japan," "Children in Towns and Villages," "Traditional Handicrafts in Modern Living," "*Bonsai*, The Art of Growing Dwarfed Potted Trees," 7:30 p.m., HUB assembly room. Free admission.
Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.

Saturday, April 30
Fixed date for meetings involving Commonwealth Campus faculty.
60th Little International Livestock Exposition, beginning 8 a.m., all day, Ice Pavilion. Free admission.
P.S.O.C. Hiking Division, backpack on Tuscarora Trail, through Sunday.
Philosophy Institute for the Arts and Humanistic Studies, Tribute to Martin Heidegger Colloquium. 10 a.m., Jacques Taminiaux, University of Louvain, Belgium, on "The Onto-Theological Foundation of Hegel's Political Philosophy"; 3 p.m., Erich Heller, Northwestern University, on "Poetry in a Destitute Time. Heidegger and the Poets," Room 405 Keller.
Demonstration of medieval falconry and eleventh-century combat, 10:30 a.m., Old Main lawn.
Physical Education Department and Interlandia Folk Dance Club, International Dance Workshop, 1-4 p.m. and 7-11 p.m., Room 133 White.
Sports: Women's lacrosse, vs. Lock Haven, 2:30 p.m.; men's tennis, vs. Pennsylvania, 2:30 p.m., men's golf, Nittany Lion Invitational.
Speech Communication Lecture in honor of Carroll C. Arnold. Roderick P. Hart, Purdue University, on "The Rhetoric of Atheism," 3 p.m., Room 112 Kern.

Sunday, May 1
Sports: Men's golf, Nittany Lion Invitational.
University Chapel service, 11 a.m., Eisenhower Chapel.
PSU Sports Car Club Autocross, noon, parking lot 80.
Free U Day, 1-4 p.m., HUB lawn. Celebration of Free U's sixth anniversary with workshops and demonstrations.
Rhea Jacobus, piano, 3:30 p.m., Music Bldg. recital hall.

Monday, May 2
First day for signing summer term NDSL and University long term loans, Room 108 Shields.
Lady Lion Boosters annual banquet, 6:30 p.m., HUB ballroom. LeAnne Schreiber, editor of "womenSports" magazine, guest speaker.
Anstotelian Society meeting, 7:30 p.m., Room 2 Faculty Club.
Religious Affairs Lecture. Msgr. John Oesterreicher on "The Jewish-Christian Encounter," 7:30 p.m., Room 101 Kern.
Sherry Sheaffer, soprano, 8:30 p.m., Music Bldg. recital hall.

Tuesday, May 3
Fixed date for meetings involving Commonwealth Campus faculty.
Videotape, "New Directions in Dance," noon, Kern lobby.
Comp. Lit. Luncheon, 12:15 p.m., Faculty Club. John McCullough, Philadelphia Evening Bulletin, on "Our Democracy: A Spectator Sport."
University Faculty Senate, 2:10 p.m., Room 112 Kern.
Sports: Women's lacrosse, vs. Slippery Rock, 2:30 p.m

Wednesday, May 4
Late drop deadline.
Last day for signing spring term NDSL and University long term loans, Room 108 Shields.
Penn State Retired Staff Club meeting, 9:30 a.m., Room 101A Kern
Sports: Men's baseball, vs. Buffalo, 1:30 p.m. Shakespeare film, *Henry V*, 6:30 p.m., Room 101 Chambers. Free admission.
G.S.A. Commonsplace Theatre, *Caine Mutiny*, 7:30 and 9:30 p.m., Room 112 Kern.
Institute for the Arts and Humanistic Studies Lecture. Anthony N. B. Garvan, University of Pennsylvania, on "Social Aspects of Philadelphia Planning," 8 p.m., Room 111 Forum.
Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.

Thursday, May 5
Gentle Thursday rain date.
College of Engineering Lecture. Alumni Fellow, Robert E. Kirby, Chairman and Chief Executive Officer, Westinghouse Electric Corporation, on "Energy Options and Impact on World Economy," 1:15 p.m., Room 112 Kern.
Lutheran Faculty Forum. Karen Laub on "Child's Contribution in Child Abuse," noon, Room 101 Kern.
University Theatre, *The Great God Brown*, 8 p.m., Playhouse Theatre.

Friday, May 6
Sports: Women's golf, Lady Lion Invitational
French Art History Lecture and Slide Presentation. Pierre Provoyeur, curator of Musee National Message Biblique Marc Chagall, Nice, France, on "De Georges de la Tour a l'Art de Versailles," 4 p.m., Room 101 Kern.
International Council film, 8 p.m., Room 112 Kern.
University Theatre, *The Great God Brown*, 8 p.m., Playhouse Theatre.
Penn State Brass Chorale, 8:30 p.m., Music Bldg. recital hall

Saturday, May 7
Commonwealth Campus Eastern Symposium.
College of Agriculture Alumni Society Annual meeting.
Sports: Men's golf, vs. Colgate, 1 p.m.; women's golf, Lady Lion Invitational; women's softball, vs. Slippery Rock, 1 p.m.; Blue-White football game, 2 p.m.
Penn State Singers, 8:30 p.m., Music Bldg. recital hall.
University Theatre, *The Great God Brown*, 8 p.m., Playhouse Theatre.

Sunday, May 8
P.S.O.C. Hiking Division, build bridge in Green's Valley, free picnic supper, 9 a.m., HUB parking lot.
University Chapel service, 11 a.m., Eisenhower Chapel.
Sports. Men's tennis, vs. Temple, 1 p.m.; men's baseball, vs. Pittsburgh, 1 p.m.
Penn State Glee Club Mother's Day Concert, 3 p.m., Schwab.
Reception for opening of Carol Mockler exhibit, 3 p.m., Kern lobby.
Shakespeare film, *King Lear*, 6:30 p.m., Room 101 Chambers. Free admission.
Linda Kistler, violin, 8:30 p.m., Music Bldg. recital hall.

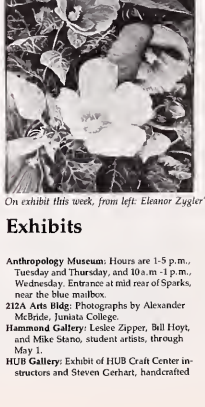
Seminars

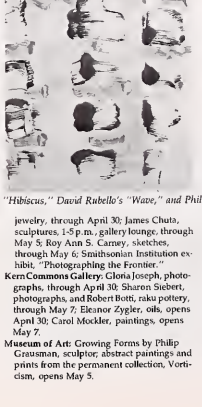
Monday, May 2
Plant Pathology, Jan Mataka on "Polyphyletic Pathosystems," 9:45 a.m., Room 213 Buckhout.
Architecture and Urban Planning, Jeffrey Cook, Arizona State University, on "Micro-Climate and Landscaping in Arid Zone Houses," 2 p.m., Room 318 Sackett.
Genetics, Reynaldo Villareal on "Cold Tolerance in Rice," 3:55 p.m., Room 111 Tyson.

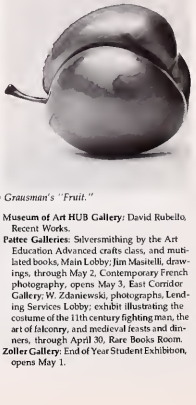
Tuesday, May 3
Biochemistry and Biophysics, H. Tabor, NIH, on "Metabolic Functions and Biosynthesis of Polyamines," 11:10 a.m., Room 101 Althouse.
Analytical Chemistry, G. J. Rosenberger on "Atmospheric Analysis by Nuclear Activation," 1 p.m., Room 333 Whitmore.
Remote Sensing, Gert Aron, Civil Engineering, on "Remote Sensing Approaches at the Vicksburg (Miss.) Waterways Experiment Station," 1 p.m., Room 225 EE West.
Solid Waste Management, Raymond Drnevich, Union Carbide Corporation, Tonawanda, N.Y., on "Handling of Chemical Phosphorus Residue from Activated Sludge Plants," 2:20 p.m., Room 124 Sackett.
Chemical Engineering, J. D. Leonard, Leonard Process Co., Inc., on "An International Consulting Career in Chemical Engineering," 3:45 p.m., Room 140 Fenske.

Wednesday, May 4
Inorganic Chemistry, James Lyons, Sun Oil Co., "Transition Metal Complexes as Catalysts for the Addition of Oxygen to Reactive Organic Substrates," 8 p.m., Room 333 Whitmore.

Thursday, May 5
Ceramic Science, R. B. Snow, U.S. Steel, on "Refractories in Blast Furnaces," 11 a.m., Room 301 Mineral Industries.
Chemistry, Daniel Swern, Temple University, on "Organic Reactions at Low Temperatures," 12:45 p.m., Room 333 Whitmore.
Meteorology, Francis Bretherton, National Center for Atmospheric Research, Boulder, on "Two-Dimensional Turbulence Over Topography," 2:20 p.m., Room 269 Willard.
Physics, D. A. Ramsay, Herzberg Institute of Astrophysics and National Research Council of Canada, Ottawa, on "Electronic Spectra of Some Simple Molecules and Free Radicals," 3:50 p.m., Room 117 Osmond
Transportation Systems Management, Ira Pierce, Delaware Valley Planning Commission, "Vanpools and Carpools," 3:55 p.m., Room 111 Boucke.
Microbiology and Cell Biology, Elizabeth Gantt, Radiation Biology Lab, Smithsonian Institution, Rockville, on "Phycobilisomes: Light Harvesting Antenna Pigment Complexes," 4 p.m., Room S 2 Frear.







On exhibit this week, from left: Eleanor Zygler's "Hibiscus," David Rubello's "Wave," and Philip Grausman's "Fruit."

Exhibits

Anthropology Museum: Hours are 1-5 p.m., Tuesday and Thursday, and 10 a.m -1 p.m., Wednesday. Entrance at mid rear of Sparks, near the blue mailbox.
212A Arts Bldg: Photographs by Alexander McBride, Juniata College.
Hammond Gallery: Leslee Zipper, Bill Hoyt, and Mike Stano, student artists, through May 1.
HUB Gallery: Exhibit of HUB Craft Center instructors and Steven Gerhart, handcrafted jewelry, through April 30; James Chuto, sculptures, 1-5 p.m., gallery lounge, through May 5; Roy Ann S. Carney, sketches, through May 6; Smithsonian Institution exhibit, "Photographing the Frontier."
Kern Commons Gallery: Gloria Joseph, photographs, through April 30; Sharen Siebert, photographs, and Robert Botti, raku pottery, through May 7; Eleanor Zygler, oils, opens April 30; Carol Mockler, paintings, opens May 7.
Museum of Art: Growing Forms by Philip Grausman, sculptor; abstract paintings and prints from the permanent collection, Vorticism, opens May 5.
Museum of Art HUB Gallery: David Rubello, Recent Works.
Pattee Galleries: Silversmithing by the Art Education Advanced crafts class, and mutilated books, Main Lobby; Jim Masitelli, drawings, through May 2, Contemporary French photography, opens May 3, East Corridor Gallery; W. Zdaniewski, photographs, Lending Services Lobby; exhibit illustrating the costume of the 11th century fighting man, the art of falconry, and medieval feasts and dinners, through April 30, Rare Books Room.
Zoller Gallery: End of Year Student Exhibition, opens May 1.

News in brief

(Continued from page 1)

The program is sponsored by the Department of English, the Department of German and the Medieval Studies Program.

In conjunction with Saturday's demonstration, Dr. Constance Hieatt, of the University of Western Ontario, will speak this evening (Thursday, April 28) on Medieval Cookery." She is also expected to demonstrate the preparation of some foods. Her lecture, at 7:30 p.m. in Room 265 Willard Bldg., is open to the public. Dr. Hieatt is the author of *Pleyn Delit*, a medieval cookbook and is also a noted Chaucer scholar.

An exhibit now on display in the Rare Books Room at Pattee Library illustrates the costume of the eleventh-century fighting man, the art of falconry, and the medieval feast.

York dedicates building

Dr. Robert G. Quinn, dean of academic instruction for Commonwealth Campuses, will speak at the dedication ceremonies for York's new $1,234,000 classroom building on Sunday, May 1.

The new facility is already in operation, but dedication of the structure was postponed until all equipment and furnishings arrived. The structure provides an additional 30,000 square feet of building space, including seven multipurpose classrooms, an electrical laboratory, a modern computer suite, an instructional media center, staff offices, mechanical rooms, a large Conference Center and an exhibition area.

Berkeley professor to discuss lowering of Ph.D. standards

Prof. Blake Lee Spahr, professor of German and comparative literature at UC-Berkeley, will speak on "The Amateur Ph.D." at 2:15 p.m. on Friday, April 29, in Room 320 HUB. Prof. Spahr has been highly critical of attempts to reduce standards for the Ph.D., and his comments have prompted lively debate in the field of German studies.

Brass Chorale concert May 6

The Penn State Brass Chorale, conducted by James Benshoof, assistant professor of music, will present a concert at 8:30 p.m. on Friday, May 6, in the Music Bldg. recital hall. The first half of the program includes three modern works — *Fanfare for a Coming of Age* by Arthur Bliss; *Music for a Tournament* by Vaclav Nelybyel; and Symphony for Brass and Percussion, Op. 16 by Gunther Schuller.

After an intermission, the program continues with Fanfare by Hugo Montenegro, conducted by Nicholas Coumous; *Italian Festival Suite* by Allan Davis; and *Liturgical Symphony* by Fisher Tull.

Campuses to offer new extended degree program

A pilot extended bachelor of science degree in law enforcement and corrections will be offered through the College of Human Development at the Delaware County and Berks Campuses for administration of justice personnel living in these areas.

Senate (Continued from page 1)

students is sound, but problems have arisen because of highly variable program restrictions and requirements.

Proposed legislation on student evaluation of faculty members for promotion and tenure reviews, returned to committee at the April 5 meeting, is expected to be presented again in revised form.

Another legislative report, the report by the Committee to Review Procedures of Academic Units for Student Evaluation of Courses, will also be discussed.

Berks to sponsor a Children's Theater.

Three thousand dollars allocated to the Berks Summer Theater from the Penn State Berks Campus Fund will be used specifically for a Children's Theater. A separate Children's Theater company will be hired with the funds, which were raised during the annual drive conducted among Penn State alumni in the Berks area.

In addition to performing in Friday and Saturday matinees from July 1 through Aug. 13, members of the children's company will also conduct a free creative dramatic workshop for children as a community service.

These activities are in conjunction with the regular Berks Summer Theater schedule, which will feature professional actors in a five-show season from June 25 through Aug. 27.

Alard concert May 4

The Alard Quartet will play its final concert of the academic year at 8:30 p.m. on Wednesday, May 4, in the Music Bldg. recital hall. The program, marking the observance of the 150th anniversary of Beethoven's death, will consist of three works by Beethoven: the Quartet in F Major, opus 18 no. 1; the Serenade for flute, violin and viola, opus 25; and the Quartet in A Minor, opus 132. Flutist Overda Page, instructor in music, will join Donald Hopkins and Raymond Page in the Serenade.

This season the Alard Quartet has presented concerts in New York, Ohio and Maryland. Its final off-campus concert will be early in May in Erie.

Msgr. Oesterreicher to give Jewish-Christian lecture series

Monsignor John M. Oesterreicher, head of the Institute of Judaeo-Christian Studies at Seton Hall University, will be the speaker for the 1977 Jewish-Christian Dialogue Annual Lecture Series. Msgr. Oesterreicher has written widely on the Middle East conflict and on the role of the State of Israel.

The series will be held from Monday, May 2, through Wednesday, May 4, and the schedule is as follows: "The New Jewish Christian Encounter," Room 101 Kern Bldg., 7:30 to 9:30 p.m., Monday; "Jewish and Christian Answer to Suffering," Memorial Lounge of Eisenhower Chapel, 10 a.m. to noon, Tuesday; "Why I Am Committed to the Support of Israel," Room 101 Kern Bldg., 8 p.m., Tuesday; and "The Gospel of the Talmud," noon, Memorial Lounge of Eisenhower Chapel, Wednesday.

Msgr. Oesterreicher is the author of *Racisme-Antisemitisme-Antichristianisme*, published in Paris in 1940. The book describes the early persecution of Jews by the Nazis and documents the stand taken by the Catholic Church at that time. He is also the author of *Jerusalem the Free* and *The Rediscovery of Judaism*, in which he discusses the significance of Judaism for the self-understanding of Christians.

Penn charman visiting

Anthony N. B. Garvan, graduate group chairman of the Program in American Civilization at the University of Pennsylvania, will be at University Park on Wednesday, May 4, and Thursday, May 5, as a Visiting Fellow of the Institute for the Arts and Humanistic Studies. Dr. Garvan will give a public lecture at 8 p.m. Wednesday in Room 111 Forum Bldg. His topic will be "Social Aspects of Philadelphia Planning."

He will also speak in an interdisciplinary course on historic preservation currently offered by the departments of art history, architecture, history and the American Studies Program. The course meets at 1 p.m. in Room 108 Forum, and Dr. Garvan's lecture will be open to the public.

Eleanor Zygler exhibits oils

Kern Commons Gallery will present "Images, Places and Seasons III," an exhibit of oil paintings by Eleanor Zygler, associate professor of art. A graduate of Carnegie-Mellon and Mills College, Ms. Zygler has done advanced work at Yale, Brandeis and the Instituto de Bellas Artes. She also studied with Moholoy Nagy, Ben Shahn, Yasuo Kuniyoshi and Hans Hofmann. Her work has been exhibited in numerous groups shows across the country, and she has had 15 one-woman shows. Her work in the current exhibition was accomplished under grants from the Institute for the Arts and Humanistic Studies and The College of Arts and Architecture Faculty Research Program.

Editor to speak

John G. McCullough, editorial page editor of The Philadelphia Evening Bulletin, will be at University Park Monday and Tuesday, May 2 and 3, as a Visiting Fellow of the Institute for the Arts and Humanistic Studies. Mr. McCullough will speak at the Comp Lit Luncheon at the Faculty Club Tuesday noon. His topic will be "Our Democracy: A Spectator Sport." A former member of the Bulletin's Washington Bureau, Mr. McCullough will visit journalism, political science, and American studies classes during his visit.

Fact Cards available

The Penn State Fact Card, which has been expanded this year, is available for distribution from the Office of Campus Relations, Room 301 Old Main, 865-2501.

Three Fellows at U. Park

Three Alumni Fellows will visit the University the week of May 1. They will be the last three of eight Fellows to return to the campus this spring.

The Fellows: Robert E. Kirby, chairman, Westinghouse Electric Corporation, May 3-6, College of Engineering; Dr. David G. Keeney, retired senior vice president, M & M Mars, Inc., May 4-6, College of Agriculture; and Dr. Frederick C. Langenberg, president of the American Iron and Steel Institute, May 4-6, College of Earth and Mineral Sciences.

Disaster test

"The National Disaster Survival Test," a 90-minute television special designed to tell Americans how to survive in disasters and to prevent disaster-induced accidents, will be shown at 8 p.m. Eastern Time on Sunday, May 1.

The program, which will be carried on NBC, was produced in cooperation with the National Safety Council.

Biohazards group

(Continued from page 1)

In addition to the duties mentioned above, the committee will review proposals calling for use of infectious agents, carcinogens, mutagens, and teratogens. This policy stems not from federal mandates, but from a wish to emphasize safeguards and safety measures when dealing with biological agents. Procedures for handling research proposals dealing with these four classes of biological agents have not yet been developed, and principal investigators are asked to contact the chairman of the Biohazards Committee for information on specific cases.

Working closely with the University Safety Council charged with ensuring proper storage and disposal of hazardous materials, the Biohazards Committee will review research proposals and laboratory teaching activities, whether sponsored, unsponsored, or in-house work, conducted at all University campuses, except the Milton S. Hershey Medical Center where separate but similar policies are in effect.

Advice on use of other potential hazardous materials will be given on request by the committee. In addition, pertinent regulations of the Department of Health, Education, and Welfare will be monitored, and the vice president for research and graduate studies advised on necessary changes to University policy.

Research grants

(Continued from page 1)

recreation carrying capacity; **James McDonel,** assistant professor of microbiology, Clostridium enterotoxin as a tool for studying specialized cell membrane structure and function;

Larry D. Muller, associate professor of dairy science, Evaluation of feeding fermented colostrum to dairy calves on occurrence of and factors related to diarrhea; **Nora S. Newcombe,** assistant professor of psychology, Development of encoding and decision process in visual recognition; **Robert J. Panek** and **Lawrence W. Ramsey,** assistant professors of astronomy, Initiation of observational research at the Black Moshannon Observatory;

Kenneth W. Potter, assistant professor of geology, Water resource planning and climatic variability; **Laura S. Sims,** assistant professor of nutrition and public health, Identification and evaluation of competencies of public health nutritionists; **Darrell J. Steffensmeier,** assistant professor of sociology, Female crime trends in Pennsylvania 1960-1976; **Maximiliane Szinovacz,** assistant professor of human development and family economics, Family power and family decision-making processes; **John M. Tarbell,** assistant professor of chemical engineering, Thermodynamic methods in nonlinear stability; **Mary L. Taylor,** assistant professor of sociology, Resistance to institutional change which would promote racial equality; where is it found?

James B. Turpen, assistant professor of biology, Developmental immunology; **John E. Tyworth,** assistant professor of business logistics, An analysis of the effects of mileage payments on freight car utilization; **Boris Weisfeiler,** associate professor of mathematics, Topics in algebraic groups and lie algebras; and **Ronal Yasbin,** assistant professor of microbiology, The development of a carcinogen tester system.

Funding Sources

For further information, call 865-1372

(268-1) Persons wishing to serve as proposal reviewers (work done via mail), as members of review panels, and as advisors to the NSF Directorate for Science Education are advised by the Directorate to submit NSF Form 428. These forms are available from the University Resource Information Office (M. R. Kohler), 865-1372. The Directorate oversees three programs: Public Understanding of Science (PUOS), Ethics and Values in Science and Technology (EVIST), and Science for Citizens (SFC).

(268-2) The American Heart Association from its National Center in Dallas, Texas, has announced a five-year program called Established Investigatorships. Through these "investigatorships," the AHA expects to help young physicians and scientists develop university research careers in medicine and biology. Annual stipends range from $16,000 to $28,000. Early application is encouraged, the deadline is July 1. **Grants-in-Aid** averaging $17,000 are also supported by AHA; deadline is Oct 1. **Emergency Grants** (up to $2,500) are also awarded to meritorious project work hampered by fire, flood, or vandalism. (Ref. AHA Applicant Information).

(268-3) The National Science Foundation announces a June 1 deadline for unsolicited proposals sent to the **Antarctic Research Program.** Disciplines include glaciology, biological and medical sciences, earth sciences, upper atmosphere physics, meteorology, and ocean sciences. (Ref. NSF 76-47).

May 5, 1977 Volume 6, Number 14

Penn State Intercom

News in Brief

Suit is "without merit"

Trustees of the University have been informed by legal counsel that, in his opinion, a suit brought against them by four students calling for a major restructuring of the Board "is without merit."

Atty. Delbert J. McQuaide informed the Trustees in a letter mailed to all 32 Penn State Trustees. Content from it was released jointly by President John W. Oswald and William K. Ulerich, president of the Board of Trustees.

The suit was filed April 29 in the U.S. District Court in Harrisburg. It challenges the constitutionality of the composition of the Board under the 14th amendment of the U.S. Constitution.

The complaint alleges, in substance, that the election of the Board of Trustees by the alumni, and the agricultural and industrial societies, but not by students, violates the students' right to vote guaranteed by the equal protection clause of the 14th amendment.

The law firm representing the four students is the Public Citizens Litigation Group of Washington, D.C., an organization affiliated with Ralph Nader.

In the letter, Mr. McQuaide noted that Dr. Oswald and Mr. Ulerich have instructed his firm "to enter all appropriate defenses on your behalf."

Of the Board's 32 members, nine are elected by alumni, six by State agricultural associations and six by State industrial organizations. Six are appointed by the Governor, and five are ex-officio members.

Engineering library to be relocated

The Engineering Library's quarters, collection and services are being moved to the third floor of Hammond Bldg. to provide more space for readers and resources. Fiscal and other reasons dictated the scheduling of the move at this time. Although a move of this size inevitably results in some inconvenience for library users, the library staff will make every effort to keep accurate records of the physical location of library resources at any given time. Faculty members and students who wish to use materials they cannot locate are asked to consult the Reference Desk on the second floor. Reserve books and current periodicals will be shelved in their present locations until the end of the term, and library personnel will be kept fully informed about the progress of the move in order to be able to direct readers to the proper location of library volumes.

HUB offers special dinner

An "End of Another Year Dinner" will be served at the HUB Terrace Room from 4.45 to 7 p.m. Friday and Saturday, May 6 and 7. The menu includes chicken breasts marengo, steamship round of beef, barbecued spareribs, seafood newberg, roast leg of spring lamb, and baby calves liver with bacon. Bill Varnell and his accordion will be on hand to entertain the guests on Friday night, while guitarist Buddy Ungston and his group will play on Saturday night.

Early registration information

Early registration for summer term 1977 will be held May 18, 19 and 20 during spring term final exams week from 8:30 a.m. until 4:30 p.m.

The requirement that students return prior to the first day of class will be eliminated for those who take advantage of this early registration. All pre-registered students who are willing to accept the schedule printed on their Advance Class Assignment Schedules (Pink Slips) are eligible.

Faculty are not expected to be available for advising, nor will there be any course cards available for schedule changes at the early registration.

Students have been informed of the instructions which must be followed for early registration. Those wishing to make schedule changes after registering early will be permitted to return to the June 7 registration.

Questions concerning the early registration should be directed to Gary Hile, 865-6357.

Education lecture series opens

Dr. Vincent R. Rogers, professor and head of elementary education, University of Connecticut, will present a lecture on "Education in the 70's — A Humanistic Perspective" at 4 p.m. on Wednesday, May 11, in Kern auditorium. He is the opening speaker in the College of Education's 1977 Lecture Series.

A Fulbright Scholar, Dr. Roger is best known for his work on open education both in the United States and in England in connection with the British primary school. He is the author of numerous books; his latest is entitled *Open Education: Critique and Assessment.* He was the editor of the Phi Delta Kappan's special issue, "Emphasis in Elementary Education Environmental Curriculum".

Curtin shut May 7

Because of the Blue-White football game, scheduled for 2 p.m. Saturday, May 7, Curtin Road between University Drive and Porter Road will be closed to traffic from 11:30 a.m. until 5 p.m. on Saturday. The road will be used for pedestrian traffic to and from the game in Beaver Stadium.

Porter Road closed

Porter Road on the University Park campus will be closed from College Avenue to Curtin Road from 8 a.m. Monday, May 9, through Friday, May 20. The closing is necessary to complete a construction project.

Take a wildflower walk on Mother's Day

The Shaver's Creek Nature Center at Stone Valley suggests celebrating Mother's Day with a Spring Wildflower Walk. They will be offering one from 1 to 3 p.m. on Sunday, May 8, at the center. For further information, call 865-1851, Mondays through Fridays.

Retired staff to meet

Penn State's Retired Staff Club will hold its spring banquet at 6:30 p.m. on Thursday, May 12, at the St. Andrews Episcopal Parish Life Center.



At left, Prof. McCormick receives congratulations from President Oswald and University Trustee Mariam U. Barash, whose husband, the late Sy Barash, is honored by the award.

McCormick to receive Barash Award

Robert H. McCormick, professor of chemical engineering, is the recipient of the 1977 Barash Award for Human Service.

President Oswald will formally present the award, a $1,000 check, at a reception on May 29.

The Barash Award was created in 1975 by the family of the late Sy Barash, of State College, to recognize annually a full-time member of the faculty, staff, or student body of the University at University Park "who has contributed most, apart from regular duties, to human causes, public service activities and organizations, or the welfare of fellow humans."

The first award went to a Penn State senior, Robert (Bob) Welsh, of Barrington, Ill., the Nittany Lion, for his participation in many community projects. Last year Ronald F. Ross, supervisor of the University's dairy sales store, was cited for his work with the Alpha Fire Co.

Mr. Barash, a Penn State graduate, was in business in State College from 1953 until his death in 1975 and over the years devoted a great amount of energy and leadership to human causes, both on and off the campus.

Prof. McCormick, a Penn State faculty member since 1935, was cited by the Award Committee for more than 20 years of volunteer service to the American Cancer Society at the local and State levels.

A member of the Board of Directors of the Centre County Unit since 1957, he was Unit president from 1958-61. He is a member or past member of 10 committees of the Pennsylvania Division of the American Cancer Society, served as the Division's president in 1969-70, and has been a delegate at large since 1972.

Prof. McCormick received the Benjamin Rush Award from the Centre County Medical Society in 1964 for outstanding contributions to the health and welfare of the public.

The Pennsylvania Division of the American Cancer Society honored him with its first Volunteer of The Year Award in 1970, and the following year he received the national bronze medal, the highest award of the American Cancer Society for volunteers.

Prof. McCormick has been active in the Benevolent and Protective Order of Elks, holding key positions in the State College Lodge, the Pennsylvania Elks State Association and the Grand Lodge. He also has been active in the establishment and promotion of community youth activities.

He received his B S and M.S. degrees, both in chemical engineering, at Penn State.

Since joining the faculty as a research assistant in petroleum refining, his work has advanced the technical aspect of chemical engineering and has contributed to chemical engineering education.

He has served as technical field specialist for the Pennsylvania Technical Assistance Program at the University since 1971.



Knights of yore fought it out on Old Main lawn last Saturday under the auspices of the Society for Creative Anachronism.

PENN STATE COLLECTION

Faculty Notes



Dr. John L. Brown Jr., professor of electrical engineering, is marking his 25th year at the University. He joined the Penn State faculty in 1951 as an assistant professor and was head of the theoretical studies group at the Ordnance Research Laboratory until 1969. Since 1969 Dr. Brown has been involved in teaching and research in the Department of Electrical Engineering.

Prof. Brown earned his B.S. in physics at Ohio University, where he was Phi Beta Kappa and Salutatorian. His Ph.D. in applied mathematics was earned at Brown University.

During his years at Penn State, Dr. Brown's main interest has been centered around statistical communications theory. He has published many papers on the detection of signals in the presence of noise, and was named a Fellow in the Institute of Electrical and Electronics Engineers for his "contribution in areas of statistical communication theory and underwater acoustics." An associate editor of the *Fibonacci Quarterly* since 1963, he has taught courses in electrical engineering, mathematics and engineering acoustics and has developed a graduate course in detection theory.

Dr. Robert B. Eckhardt, assistant professor of anthropology, presented a paper, "The Population Structure and Inbreeding Coefficient of the Yerkes Chimpanzee Colony," at the 46th annual meeting of the American Association of Physical Anthropologists held April 13-16 at the University of Washington in Seattle.

Dr. Michael Kiernan, assistant professor of English, has been appointed co-editor of the New Variorum Edition of Shakespeare's *Othello*. Commissioned by the Modern Language Association of America, the Variorum editions seek to establish definitive texts of the play through the study and collation of the 17th century editions and to present a historical record of the significant stage history, textual editing, and critical commentary since the play's first publication. Dr. Kiernan's co-editor will be Prof. John Hazel Smith, chairman of the English Department, Brandeis University.

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INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Second-class postage paid at State College, Pa. 16801

John Withall, professor of education and educational psychology, has been selected to receive the College of Education's Outstanding Teaching Award for 1977. This award, the first to be given by the College, recognizes outstanding performance as teacher, advisor, developer of quality instructional processes, and evoker of professional aspiration and competence.

Prof. Withall will be honored at bnef ceremonies in Room 101 Kern Graduate Bldg. at 3:30 p.m. on Wednesday, May 11. This event is open to all and will be followed at 4 p.m. in Kern auditorium by a lecture by Vincent R. Rogers, of the University of Connecticut, the first in a new College of Education Lecture Series.

At Penn State since 1964, Dr. Withall has distinguished himself in both research and teaching focused upon instruction and classroom climate. Dr. Withall earned his bachelor's and master's degrees at Bishop's University in Quebec and his doctorate at the University of Chicago. He served as an advisor to the Peace Corps on the Ivory Coast and also headed the Department of Secondary Education at the University.

Dr. Patricia Ward, associate professor of French and comparative literature, recently participated in the sixth triennial meeting of the American Comparative Literature Association at the University of Illinois (Champaign-Urbana). Dr. Ward presented a paper on "The Process of Acculturation: Madame Guyon in America."

Raniero Corbelletti, professor and head of architecture, has been elected to the board of directors of the Architectural Research Centers Consortium, headquartered in Washington, D.C. Architectural schools and research centers created the consortium to undertake large research projects which are national and international in scope.

James O. Whittaker, professor of psychology at Capitol Campus, presented the major invited address at the 1st National Symposium on Educational Psychology in the Dominican Republic on May 1. His topic was "Nature vs. Nurture: The Controversy Continues."

Dr. Hellmut W. Hager, professor and head of art history, recently delivered a paper titled "Bernini and Mattia de Rossi at Montecrano" to the College Arts Association.

Four members of the Department of Spanish, Italian and Portuguese participated in the recent annual convention of the Modern Language Association at the University of Pittsburgh. **Dr. Martha T. Halsey** read a paper entitled "Martín Recuerda's *Las arreoglas del boaterio de Santo Marín Egipciaca*: A Modern Version of the Story of Mariana Pineda." **Dr. Theodore V. Higgs** spoke on "'Ser' or 'no ser': That is the Question." **Dr. Leon F. Lyday** organized a session on Luso-Brazilian Literature and **Dr. Terry J. Peavler**'s paper was titled "Is the Novel Possible in Cuba?"

Dr. Peter Adams, associate professor of chemistry, and **Dr. James Deploey,** assistant professor of biology, both at York Campus, presented two jointly authored papers recently at a meeting of The Pennsylvania Academy of Sciences. They reported on studies of enzymes produced by thermophilic fungi.

Robert D. Herrmann and **Rex H. Warland,** professors of agricultural economics, will become the new editor and associate editor, respectively, of the Journal of Consumer Affairs. The 11-year-old journal is the official publication of the American Council on Consumer Interests, the national organization of professionals in consumer affairs and consumer education.

Dr. Jacob Susskind, assistant professor of social science and education at Capitol Campus, chaired the Mid-Atlantic Ethnic Studies Conference held April 23 in Harrisburg. The seminar was sponsored by the Pennsylvania Historical and Museum Commission. He also spoke on "Swiss Immigration to Pennsylvania" at the Tenth Annual History Conference held at Bloomsburg State College on April 28.

Four faculty members representing the Population Issues Research Office presented papers at the annual meeting of the Population Association of America, held April 21 to 23 in St. Louis. **Dr. Warren C. Robinson,** director of the office and professor of economics, presented a paper entitled "Demographic Effects of Economic Policies in Thailand." **Dr. Robert J. McIntyre,** assistant professor of economics, co-authored a paper on "Econometric Analysis of Prenatal and Abortion Policies," and **Dr. Craig R. Humphrey,** assistant professor of sociology, co-authored a paper on "Sustenance Organization, Migration, and Fertility in Nonmetropolitan Counties in the United States." **Dr. Gordon F. DeJong** presented a roundtable discussion paper on "Residential Preferences as an Explanation for Population Distribution in the United States."

Dr. Larry R. Eckroat, associate professor of biology at Behrend College, presented a paper, "Heterozygosity of the Lactate Dehydrogenase and Liver Esterase Subunit loci in the Northern Dusky Salamander, *Desmognathus fuscus fuscus* (Rafinesque)," at the annual meeting of the Pennsylvania Academy of Sciences in Mt Pocono last month.

Dr. Robert L. Butler, professor of zoology, conducted two sessions on Writing Reports in English for faculty and undergraduates as part of a workshop, Writing in a Technical Institute, held at the Rochester Institute of Technology, April 18-23.

Dr. Ned C. Deihl, Blue Band director and professor of music education, was a judge at the Shenandoah Apple Blossom Music Festival in Winchester, Va., April 28 and 29. Participating were over 70 bands representing 15 states.

Dr. Richard Gregg, professor of speech communication, participated in a lecture series on "Political Persuasion" sponsored by the Department of Communication at Purdue University April 19. Dr. Gregg spoke on the topic, "Rhetoric of Political Newscasting."

Dr. Sigmund S. Birkenmayer, professor of Slavic languages, was recently elected a member of the Literary Section of the Polish Institute of Arts and Sciences in America. He was also an invited speaker for the discussion panel, "Polish Literature and Its Comparative Contexts," at the 1977 Midwest Slavic Conference held at Ann Arbor, Mich., this week.

Dr. George Mauner, professor of art history, recently provided documentation for the exhibition catalogue, "Early Unpublished Works of Cuno Amiet from the Permanent Collection" for the Solothurn Museum.

Bookshelf

When other girls her age were collecting pictures of their favorite movie heroes, Clare Boothe Luce kept a likeness of George Bernard Shaw in her dresser drawer.

The author/congresswoman/ambassador confided that information in an interview with **Rodelle Weintraub,** editor of *Fabian Feminist*, a collection of writings on Shaw as an early champion of the woman's movement. The interview, along with one Prof. Weintraub conducted with feminist playwright Megan Terry, is included in the book, which was published this spring by Penn State's Press.

"*Fabian Feminist* is not the first examination of Shaw from a feminist perspective nor should it be the last," Prof. Weintraub says in her introduction. "It is but a beginning of the exploration of the causes and effects of the special brand of feminism in his work, and as in the beginning of any exploration, there may be false starts and contradictory views expressed. Still, these are dimensions of Shaw which can furnish new insights into his work — and into Woman."

Five of Shaw's broadsides in support of feminism are reprinted for the first time in the book, which includes contributions from some of the foremost Shavian critics and feminists. Dr. Stanley Weintraub, research professor of English and director of the Institute for the Arts and Humanistic Studies, is the author of a section entitled, "Shaw's Lady Cicely and Mary Kingsley."

Rodelle Weintraub is an assistant editor of The Shaw Review and an assistant professor of English. She is co-author of *Lativerse of Arbia: The Literary Impulse*.

Obituaries

Lavern V. Henderson, who retired in 1964 as assistant professor of home-community relationships, died April 24 at the age of 78. During her ten years of service on the College of Home Economics faculty, Miss Henderson served as information specialist for the College as well as chairman for the journalism and broadcasting major in home economics. Miss Henderson spent most of her life in Lincoln, Nebr., where for 26 years she was employed by the Extension Services at the University of Nebraska.

Dr. James G. McAree, professor of social science and history at Capitol Campus, died April 21. An authority on Asia, Dr. McAree came to Capitol in 1969. He received his B.A. and M.A. degrees at the University of Southern California and his Ph.D. at the University of Minnesota. He had been on the faculties of New York State University, Minnesota and Western Washington State College.

Dr. McAree was the author of *Ghandi and Nehru – a Partnership between Tradition and Modernity*, co-author of a four-volume work, *Asia in Change and Crisis*, and wrote a secondary school social studies text, *World Cultures*.

Dr. East is new Faculty Club head

Officers who will assume their posts in September have been elected by the Penn State Faculty Club membership.

Dr. Marjorie East, professor and head of home economics education, is president; Dr. Robert L. Clewett, professor emeritus of business administration, vice president; Dr. Helen A. Guthrie, professor of nutrition, secretary; and Dr. James R. Dungan, director, Institutional Research and Planning Division, treasurer.

Eight directors-at-large were also elected. They are:

Dr. Peter J. Bennett, professor of marketing; Dr. Elsworth R. Buskirk, professor of applied physiology and director, Noll Laboratory; Della Durant, associate professor of physical education; Dr. R. William Millman, professor of business administration; Chalmers G. Norris, director of planning and budget officer of the University; Dr. David S. Palermo, professor of psychology; Dr. Doris M. Seward, executive assistant to the President; and Dr. Warren M. Smith, professor emeritus of rural sociology.

University Park Calendar

May 5-15

Special Events

Thursday, May 5
FSHA Special Dinner, Hawaiian Luau, 5:30-6:30 p.m., Maple Room, Henderson.
University Theatre, *The Great God Brown*, 8 p.m., Playhouse Theatre.

Friday, May 6
Sports: women's golf, Lady Lion Invitational; soccer exhibition game, vs. St. Francis, N.Y., 7 p.m.
French Art History Lecture and slide presentation. Pierre Provoyeur, curator of Musee National Message Bibhque Marc Chagall, Nice, France, on "De Georges de la Tour a l'Art de Versailles," 4 p.m., Room 101 Kern
ROTC Awards Day, 4 p.m., Rec. Bldg. south gym.
Terrace Room "End of Another Year" dinner, 4:45-7 p.m., HUB Entertainment, Bill Varnell and his accordion.
International Council film, *I Can't Tell You*, 8 p.m., Room 112 Kern
University Theatre, *The Great God Brown*, 8 p.m., Playhouse Theatre.
Penn State Brass Chorale, 8:30 p.m., Music Bldg. recital hall.

Saturday, May 7
Commonwealth Campus Eastern Symposium.
College of Agriculture Alumni Society annual meeting, all day, Ag. Admin. Bldg
Sports: men's golf, vs. Colgate, 1 p.m.; women's golf, Lady Lion Invitational, women's softball, vs. Slippery Rock, 1 p.m.; Blue-White football game, 2 p.m., Beaver Stadium.
Terrace Room "End of Another Year" dinner, 4:45-7 p.m., HUB Entertainment, Buddy Ungston Group.
University Theatre, *The Great God Brown*, 8 p.m., Playhouse Theatre.
Penn State Singers, 8:30 p.m., Music Bldg. recital hall

Sunday, May 8
P.S.O.C. Hiking Division, build bridge in Green's Valley, free picnic supper, 9 a.m., HUB parking lot.
University Chapel service, 11 a.m., Eisenhower Chapel.
Shaver's Creek Nature Center, spring wildflower walk. 1-3 p.m., Stone Valley
Sports: men's tennis, vs. Temple, 1 p.m., men's baseball, vs. Pittsburgh, 1 p.m.
Penn State Glee Club Mother's Day Concert, 3 p.m., Schwab.
Reception for the opening of Carol Mockler exhibit, 3 p.m., Kern lobby.
Shakespeare film, *King Lear*, 6:30 p.m., Room 101 Chambers. Free admission.





Quarterback Chuck Fusina, left, and halfback Jim Cefalo are ready for Saturday's Blue-White game at 2 p.m. in Beaver Stadium.

Linda Kistler, violin, 8:30 p.m., Music Bldg recital hall.

Monday, May 9
Sports: men's baseball, vs. Juniata, 3 p.m.
Shakespeare film, *King Lear*, 6:30 p.m., Room 101 Chambers. Free admission
Anstotelian Society meeting, 7:30 p.m., Room 2 Faculty Club
PSU Association for the Handicapped meeting JoAnn Farr on "Why Not Sex for the Handicapped?" and film, "Like Other People," 8 p.m., Room 101 Kern.
Pawel Checinski and Robert Baisley, pianists, and the Alard Quartet, 8:30 p.m., Music Bldg. recital hall.

Tuesday, May 10
Friends of Museum lecture. John Thomas Kirk, of Boston University, on "Looking at American Furniture" 10:30 a.m., Museum.
Comp. Lit. Luncheon, 12:15 p.m., Faculty Club. Bridget Henisch on "Handwashing, Hierarchy, and Hospitality: The Makings of a Medieval Feast."
University Theatre, *The Great God Brown*, 8 p.m., Playhouse Theatre
Appalachia Sounding, 8 p.m. Schwab Auditorium. Sponsored by Colloquy.

Wednesday, May 11
Sports: men's golf, vs. Bucknell, 1 p.m., men's lacrosse, vs. Bucknell, 7 p.m.
College of Education Outstanding Teacher Awards Program, 3:30 p.m., Room 101 Kern
College of Educaton Lecture Vincent Rogers on "Education in the 70's: A Humanistic Perspective," 4 p.m., Room 112 Kern.
Five O'Clock Theatre, 5:20 p.m., Pavilion Theatre. Free admission.
FSHA Special Dinner, Morocco/Casa Blanca Cafe, 5:30-6:30 p.m., Maple Room, Henderson.
Shakespeare film, *As You Like It*, 6:30 p.m., Room 101 Chambers. Free admission.
G.S.A. Commonsplace Theatre, *Play Mosty for Me*, 7:30 and 9:30 p.m., Room 112 Kern.
Artists Series Film Festival, Truffaut, *Day for Night*, 8 p.m., Eisenhower Auditorium.
University Theatre, *The Great God Brown*, 8 p.m., Playhouse Theatre.
Composers' Concert, 8:30 p.m., Music Bldg recital hall.

Thursday, May 12
Lutheran Faculty Forum, noon, Room 101 Kern

Visiting Artist Lecture Hiram Williams, 1 p.m., Zoller Gallery.
Economics faculty meeting, 3 p.m., Room 101 Kern.
Five O'Clock Theatre, 5:20 p.m., Pavilion Theatre. Free admission.
FSHA Special Dinner, New England Clambake, 5:30-6:30 p.m., Maple Room, Henderson.
Phi Delta Kappa and Pi Lambda Theta meeting, 7:30 p.m., Room 101 Kern.
Wildlife Society Lecture. Glen Bowers, Pennsylvania Game Commission, on "Sportsmen and Citizen Impacts on Decisions for Wildlife Management," 7:30 p.m., Room 301 Ag. Admin. Bldg.
University Theatre, *The Great God Brown*, 8 p.m., Playhouse Theatre.

Friday, May 13
Sports: men's tennis, vs. Navy, 2 p.m.
Five O'Clock Theatre, 5:20 p.m., Pavilion Theatre. Free admission.
Phi Beta Kappa initiation and banquet, 6 p.m., HUB assembly room. Speaker, Peter B. Shaw on "Black Holes and Other Catastrophes"
Folk Square Dance Roundup, 7:30 p.m., Room 133 White
University Theatre, *The Great God Brown*, 8 p.m., Playhouse Theatre.
Graduate Commons musical review, "The Hat's the Thing," 8:15 p.m., Room 112 Kern.

Saturday, May 14
P.S.O.C. Hiking Division, joint hike with Pa chapter of Sierra Club on Mid State Trail, 9 a.m., HUB parking lot.
Sports: men's baseball, vs. Temple, 1:30 p.m., men's tennis, vs. Pittsburgh, 2 p.m.
University Theatre, *The Great God Brown*, 8 p.m., Playhouse Theatre.
Graduate Commons musical review, "The Hat's the Thing," 8:15 p.m., Room 112 Kern.
University Choirs and Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.
Last date to submit petition to Records Officer to graduate in absentia in May

Sunday, May 15
University Chapel service, 11 a.m., Eisenhower Chapel. Rev. George G. Hill, East Avenue Methodist Church, Norwalk, Conn
PSU Sports Car Club Autocross, noon, parking lot 80.
Penn State Wind Ensemble Pop's Concert, 3:30 p.m., Arts Courtyard.
Graduate Commons musical review, "The Hat's the Thing," 8:15 p.m., Room 112 Kern
Brent Wissick, cello, 8:30 p.m., Music Bldg. recital hall.

Seminars

Friday, May 6
Population Issues Research Office, John P. Bongaarts, Population Council, on "The Effects of Nutrition on Fertility in Rural Guatemala," 3 p.m., Room 341 Deike

Monday, May 9
Plant Pathology. C. Lee Campbell on "Crop Vulnerability. Prelude to Disaster," 9:45 a.m., Room 213 Buckout.
Architecture and Urban Planning, Paul English, University of Texas at Austin, on "Iranian Urbanism: The House Design and Its Environs," 2 p.m., Room 318 Sackett.
Biochemistry/Biophysics, D. Carlson, Purdue University, on "Chemistry and Biosynthesis of Mucins," 3:55 p.m., Room 101 Althouse.
Genetics, Dennis Peffley on "Genetics of Color Mutants in Trout," 3:55 p.m., Room 111 Tyson.

Tuesday, May 10
Biochemistry/Biophysics, D. Carlson, Purdue University, on "Chemistry and Biosynthesis of Mucins," 11:10 a.m., Room 101 Althouse
Analytical Chemistry, Hans Veening, Bucknell University, on "Liquid Chromatography of Hemodialysate Samples from the Artificial Kidney," 1 p.m., Room 333 Whitmore.
Solid Waste Management, Herschel Cupler, Institute of Scrap Iron and Steel, Washington, DC, on "Impediments to Recycling Ferrous Metals," 2:20 p.m., Room 124 Sackett.
Meteorology, Fritz Hasler, Goddard Space Flight Center, Greenbelt, Md., on "Interpretation of Geostationary Satellite Data," 4 p.m., Room 269 Willard.

Wednesday, May 11
Fuel Science, Stephen S.T. Li on "Computer Simulations of the Kinetics of Methane-Oxygen Flame," 4 p.m., Room 301 Mineral Industries.

Thursday, May 12
Ceramic Science, D. Kalish, Bell Labs. on "Design Considerations for Optical Waveguides," 11 a.m., Room 301 Mineral Industries
Chemistry, Manon H. O'Leary, University of Wisconsn, on "Abortive Transamination Reactions Catalyzed by Pyridoxal Enzymes." 12:45 p.m., Room 333 Whitmore.
Chemical Engineering, M. Grabowski on "Hydrocarbon Phase Equilibna from Equations of State," 3:45 p.m., Room 140 Fenske.
Physics, Neville V. Smith, Bell Laboratories, Murray Hill, on "Angle Resolved Photoemission from Solid Surfaces Using Synchrotron Radiation," 3:50 p.m., Room 117 Osmond
Transportation Systems Management, Kenneth Crowley, Brooklyn Polytechnic Institute, on "Urban Freight Strategies as Related to Transportation Systems Management," 3:55 p.m., Room 111 Boucke.
Ecology, Frank Gill, Philadelphia Academy of Natural Sciences, on "Foraging Energetics and Competition in Sunbirds," 4 p.m., HUB assembly room.



"Beyond the Eye" (detail) by Sharon Siebert, currently on exhibit in Kern Graduate Commons Gallery.

Exhibits

Anthropology Museum: The museum is open on Tuesdays and Thursdays 1-5 p.m., and on Wednesdays, 10 a.m.-1 p.m. Entrance at mid-rear of Sparks near the blue mailbox

HUB Gallery: Smithsonian Institute exhibit, "Photographing the Frontier."

Kern Commons Gallery: Robert Botti, raku pottery, and Sharon Siebert, photographs, through May 7; Eleanor Zygler, oils, Carol Mockler, paintings, and Caroline Hagench, paintings, opens May 8

Museum of Art: Vorticism; Growing Forms; abstract paintings and prints from the permanent collection.

Museum of Art HUB Gallery: David Rubello, Recent Work, through May 12.

Pattee Galleries: Silversmithing by the Art Education advanced crafts class and multiated books. Main Lobby; contemporary French photography, East Corridor Gallery; W. Zdaniewski, photography, Lending Services Lobby.

Zoller Gallery: End of year student exhibition.

212A Arts Bldg: Alexander McBride, Juniata College, photographs, through May 9.

Arts Roundup

Penn State Singers' concert

The Penn State Singers will present "Buxtehude to Bernstein" for their 20th anniversary concert at 8:30 p.m. on Saturday, May 7, in the Music Bldg. recital hall.

The 30-member group under Raymond Brown, director of choral music at the University, will perform music ranging from Dietrich Buxtehude's "Aperite Mihi Portas," written in the 1660s, to Leonard Bernstein's "Chichester Psalms," written in 1965 for the Chichester Music Festival. The program will also include two pieces written by Thomas Weelkes, who served as organist and choirmaster at Chichester Cathedral in the early 17th century, as well as works by Ralph Vaughn Williams, Charles Ives, William Billings and Dominick Argento.

The Penn State Singers was established in 1957 by Prof. Brown to perform music for small choral groups. The size of the group has varied over 20 years, from 80 members in 1972 when it performed Bach's *Mass in B Minor* to an average of 25 members.

Saturday's concert, which is free of charge and open to the public, is being supported by an Institute for the Arts and Humanistic Studies' grant.

Glee Club offers premiere

As part of Its Mothers' Day Concert, the Penn State Glee Club will present the world premiere of "Six Choruses from Edgar Lee Masters' *Spoon River Anthology*" at 3 p.m. on Sunday, May 8, in Eisenhower Auditorium.

The new work was written by Bruce Trinkley, associate professor of music and director of the Glee Club, who has set several poems from the anthology to a musical score utilizing a male chorus and two pianos. Mr. Trinkley will conduct the 70-member Glee Club at the premiere, and Mrs. Edgar Lee Masters will be present as the guest of honor.

Other works on the program include pieces by Kodaly, Liszt, Dvorak, Orff and songs of Penn State. The Hi-Lo's, a small vocal ensemble selected from the Glee Club, will also perform several selections.

Pianists, Quartet to perform

The Department of Music will present a unique program of music at 8:30 p.m. on Monday, May 9, in the Music Bldg. recital hall. Piano duets and a piano quintet will be featured. Pawel Checinski and Robert Baisley will perform two original works for piano duet — Mozart's Theme and Variations and the Schubert *Fantasy*. The program will then feature the Alard Quartet in a performance of the Quintet by Shostakovitch with Mr. Checinski as pianist.

Colloquy offers play

Appalachia Sounding, a Carolina Regional Theatre production, will be presented at the University under the sponsorship of Colloquy at 8 p.m. on Tuesday, May 10, in Schwab Auditorium.

Now on its second regional tour, *Appalachia Sounding* is being performed in all 13 Appalachian states during this spring and will also be taped for a national television broadcast.

The play is a dramatic portrait of life in the mountains of Appalachia. Written by Romulus Linney, it focuses on a mountain family's determination to maintain the fierce independence that makes the Appalachian people unique in American life. Produced by North Carolina's professional touring theatre group, the play includes many types of mountain music.

Tickets for the production are being sold at the HUB Information Desk at $1.50 for students, $2.50 for non-students.



"Enclosure" (1915) by Edward Wadsworth

Vorticism exhibit opens today at Museum of Art

An exhibit of the early English abstract movement known as Vorticism is making one of only two American appearances at the University's Museum of Art this month.

The exhibit, "Vorticism and Abstract Art in the First Machine Age," includes approximately 70 rare works by eight artists from the years immediately preceding World War I. It opens today (May 5).

On loan from the Davis and Long commercial gallery in New York, where it has been hanging throughout April, the collection will return to Europe when it leaves Penn State May 29. It is the first American exhibit of Vorticism since 1917.

The Museum of Art show was arranged through the efforts of William D. Davis, assistant director of exhibitions.

An avant-garde movement led by adventurous young artists and writers like Wyndham Lewis and Ezra Pound, Vorticism was an attempt to lead the English artistic community out of Victorianism and into the machine age of the early 20th century.

The exhibit includes works by Lewis and by Lawrence Atkinson, David Bomberg, Alvin Langdon Coburn, Jacob Epstein, Henri Gaudier-Brzeska, William Roberts, and Edward Wadsworth.

Also on display will be two unusual magazines from the period, which were edited by Lewis. On loan from the Rare Books Room of Pattee Library, "Blast No. 1" and "Blast No. 2" represent the literary side of Vorticism. In a style of typography reminiscent of a vaudeville poster, they printed the manifestos of Vorticism written by Lewis and Pound, men remembered more for their literary than their artistic accomplishments.

Reviewing the exhibit after its New York opening, art critic Hilton Kramer wrote in the April 17 New York Times that most of the works "will be utterly unfamiliar even to people who feel they know this crucial period in the history of modern art very well. For that reason alone the exhibition is not to be missed."

Artists Series subscription tickets now on sale

The Artist Series reminds patrons that its 1977-78 season will offer such world famous artists as André Previn with the Pittsburgh Symphony Orchestra; Lynn Harrell, cellist; the Vienna Choir Boys; the Cleveland Orchestra and a delightful family treat, "The Nutcracker Suite" as performed by the Pittsburgh Ballet.

The Broadway show, *My Fair Lady*, and the Goldovsky Grand Opera production of Puccini's *La Bohème* will also be part of next year's season.

Different next year will be a mini-series offered under the Fine Arts Series. This will present a Beethoven Series which will feature the Vermeer Quartet, the Tokyo String Quartet and the Cleveland Quartet playing all-Beethoven concerts. The second half of the series will include music from the Renaissance to the 20th century and will have three different ensembles, the Orchestra Camerata of Salzburg, the New York Renaissance Band and the Speculum Musicae. All six events will be held in Eisenhower Auditorium.

Subscription tickets are now on sale in Room 203 Schwab Auditorium from 9:30 a.m. to 12:30 p.m. and 1:30 p.m. to 3:30 p.m. Monday through Friday. No orders can be accepted without order cards which are available either at the Artists Series office or by calling 865-1871. Master Charge and BankAmericard will be accepted when accompanied by an order card.

Orders will be processed in the order in which they are received and every attempt will be made to assign seats as close to the requested areas as possible. Tickets will be mailed in August. For further information or assistance, call the Artists Series office at 865-1871.

WPSX Highlights

"Number Our Days," an Academy Award-winning documentary, will be presented on **Americana** Friday, May 6, at 9:30 p.m. The documentary focuses on a community of elderly Jews in Venice, Cal., which has survived the hardships of old age, poverty, and neglect by creating its own culture.

"Poldark," a British television dramatic series described as the biggest BBC hit since "The Forsyte Saga," begins on **Masterpiece Theatre** Sunday, May 8, at 9 p.m. Set in 18th century Cornwall, the 16-episode series is based on four novels by Winston Graham. Robin Ellis stars as Ross Poldark, who returns from service in the British Army, after fighting in the American Revolution, to find his property taken over by his family.

Notes on an American Business concludes Tuesday, May 10, at 8 p.m. with three perspectives on life inside a Central Pennsylvania industry. Three consultants from Penn State's Department of Speech Communication — Thomas Benson, Bonnie Johnson, and Richard Barton — review excerpts from the series to analyze the atmosphere in which communication takes place inside a small business. Also appearing are industry employees who respond to what the series says about them and the business. Finally, the filmmakers talk briefly about what can and cannot be captured on film about a business.

Education in Pennsylvania is the subject when State Senator Louis Coppersmith and State Representative Helen Wise are interviewed on **Talkabout** Wednesday, May 11, at 7:30 p.m. Senator Coppersmith (D-35) is a member of the Senate Education Committee. Rep. Wise (D-77) is a past president of the National Education Association, a member of Penn State's Board of Trustees, and a teacher in the State College Area District.

Nova reviews the effects that the world's diversity of languages have on human society in a two-part report beginning Wednesday, May 11, at 8 p.m. The first program features linguist Noam Chomsky, who maintains that language has universal properties.

Hard Times, Charles Dickens' novel about life during Britain's industrial revolution, comes to public television in a four-part drama on **Great Performances** beginning Wednesday, May 11, at 9 p.m. Filmed on location in Manchester, England, the series probes the effects of industrialization on the human spirit.

Funding Sources

For further information, call 865-1372

(269-1) The Office of Education has issued final program priorities for **Training Personnel for the Education of the Handicapped.** (Ref 42FR20298-300, 4/19/77) (CFDA 13.451)

(269-2) Research proposals related to the utilization of sucrose are being accepted by the International Sugar Research Foundation. The deadline is July 31. Selection priorities in the past have been, in descending order: public health studies, technology, development of products, and by-product utilization. (Ref. ISRF announcement)

(269-3) The HEW Office of Human Development announces institutional deadlines of May 13 for **career training projects**, May 20 for **planning projects**, and May 13 for **doctoral dissertation projects.** (Ref 42FR20860-2, 4/22/77) (CFDA 13.637)

May 12, 1977 Volume 6, Number 15

Penn State Intercom

Parents, alumni asked to support PSU appropriation

President Oswald has alerted parents of Penn State undergraduates to the financial problems the University is facing and the serious implications they have for tuition and University programs.

He asked support for an adequate University appropriation for the 1977-78 fiscal year in a letter sent to the parents, which also was forwarded to about 20,000 alumni in the State by Lloyd Huck, president of the Penn State Alumni Association. In the letter, Dr. Oswald noted that a major objective of the appropriation request submitted last fall was to avoid a further increase in tuition.

"Our request for a 16 percent increase in State support would have enabled the University to cope with inflation and also hold the line on tuition," Dr. Oswald said.

"It is now clear that this objective will not be met," Dr. Oswald continued, noting that Gov. Milton J. Shapp, in his budget in February, recommended less than a 3 percent increase for Penn State, from $106,759,000 to $109,761,000. He recommended a 5 percent increase for most of the departments of State government.

"This 3 percent falls far short of meeting our most basic and unavoidable cost increases," Dr. Oswald added. "I refer here to fuel utility costs, increases in Social Security, and the increased cost of supplies and materials Penn State must buy — not to mention the need to provide even modest salary increases for University employees. It will also require Penn State to make internal budget cuts of $2,200,000 in order to balance next year's budget.

"In short, the net effect of the Governor's budget recommendation will be to: (1) force a further increase in tuition; (2) shift a greater share of the cost to students and their families; and (3) reduce badly needed support for University programs."

The situation is even more difficult, he explained, since Penn State may not even receive the 3 percent increase recommended by the Governor. The Senate recently passed a general appropriation bill for State government providing for no increase in support for most State government agencies, and for institutions such as Penn State.

Explaining that Penn State students and their families, and the University itself, must be able to plan for the year ahead, even in the face of these uncertainties, President Oswald said he hopes to recommend a University budget for approval by the Board of Trustees in late May.

"It is clear that this recommendation will have to include an increase in tuition and in room and board. It will also be based on the assumption of at least a 3 to 5 percent increase in State support for Penn State.

"If the Legislature fails to provide even the minimal 3 percent increase recommended by the Governor, it will force the University to make further cuts in the support available to our educational programs and, in all likelihood, force a second, mid-year increase in tuition.

(Continued on page 2)



Helen Snyder

Snyder named coordinator

Dr. Helen I. Snyder, associate professor of educational psychology, has been named basic skills coordinator at the University, effective immediately.

In this new position, explains Dr. Robert E. Dunham, vice-president for undergraduate studies, Dr. Snyder will coordinate a three-year experimental program designed to assist students in developing basic skills necessary for the successful pursuit of higher education. The program, research-oriented, was approved by the University Faculty Senate and emphasizes basic skills in writing, mathematics, and reading.

Dr. Dunham says he feels the University is fortunate to have Dr. Snyder fill the new position because of her extensive background in the field of educational psychology, her broad experience as a teacher and her knowledge of the entire Penn State system.

In 1974-75, Dr. Snyder served as chairman of the University Faculty Senate, her election following more than 14 years of service on the Senate, including membership on the Senate Select Committee on Faculty Participation in University Governance.

Dr. Snyder came to Penn State in 1958 from the University of Illinois where she had earned her Ph.D. in educational psychology. Her M.A. in history was conferred by Colorado State College, and she holds B.S. and B.A. degrees in history from Kansas State Teachers College in Emporia, Kans. She also spent 13 years in public school teaching and counseling.

Dr. Snyder, who served two years as acting assistant dean for resident education in the College of Education, is the author of the book, *Contemporary Educational Psychology: Some Models Applied to the School Setting.*

President honored

President John W. Oswald has received the 1977 Distinguished Service Award of the historic Philadelphia Society for Promoting Agriculture.

The medal was presented May 3 at a luncheon at the Barclay Hotel in Philadelphia, marking the 192nd anniversary of the founding of the Society in 1785. It is the second time since the award was established in 1932 that a Penn State president has received it. Dr. Milton S. Eisenhower was honored in 1953.

(Continued on page 2)

Senate approves student evaluation rules, guidelines

Proposed legislation on student evaluation of faculty in promotion and tenure reviews was approved at the May 3 meeting of the University Faculty Senate. It had been returned to committee at the April meeting of the Senate.

Proposed by the Senate Committee on Faculty Affairs and amended on a motion by Senator Margaret Matson, the legislation calls for a reaffirmation of an earlier statement that "Recommendations regarding personnel actions must incorporate various kinds of information on teaching effectiveness."

Specifically, it says the evaluation of teaching effectiveness should in all cases include faculty input.

In addition, the legislation calls for a reaffirmation of an earlier statement that all evaluations of teaching effectiveness should include student input. It further affirms that there should be more than one form of evaluation drawn from students.

The Senate will now ask that the substance of these policy statements be incorporated in the *Administrative Guidelines for the Conduct of the University Promotion and Tenure Review Process.*

In related action, the Senate approved guidelines for student evaluation of courses recommended by a special committee. The Committee to Review Procedures of Academic Units for Student Evaluation of Courses, chaired by W. LaMarr Kopp, recommended that:

— Each College establish a program for developing College-wide guidelines for student evaluation of *instructor,* if such guidelines do not exist;

— Each College establish a program for developing College-wide guidelines for student evaluation of *courses,* if such guidelines do not already exist;

— The Colleges and the Campuses be strongly urged to interact in the development of appropriately coordinated evaluation guidelines for instructors and courses. This is especially important for large multi-section service courses and for courses designed in one location and taught in many locations;

(Continued on page 2)

Activities data due

Members of the faculty who wish their publications and professional activities listed in the University's annual bibliographies should send this information to their department heads, research deans, or intercollege research unit directors.

Detailed instructions for the submission of these listings are given in a May 2 memo from Dr. R. G. Cunningham, vice president for research and graduate studies. Copies of this memo are available from department heads or research deans.

Commonwealth Campus faculty should send their listings to the respective department head at University Park with an informal copy to their Campus director and Commonwealth Campus dean.

Contributions should be in the department head's hands in sufficient time to reach the Office of the Vice

(Continued on page 2)



Dr. Oswald and Mr. Lynch

Lynch to get Donkin award

A Penn State staff member who has presented a visual story of the University's traditions, history and spirit to thousands of alumni and students is the 1977 recipient of the McKay Donkin Award.

Michael R. Lynch, associate professor of agriculture extension and coordinator of Extension staff development, will receive the award from President Oswald at a reception May 29.

The $500 award is given annually to the faculty or staff member, including retired personnel, who has "contributed most to the economic, physical, mental or social welfare of the University faculty."

It was established with contributions made by the family and friends of the late McKay Donkin, who, prior to his death in 1968, had served for more than ten years as vice president for finance and treasurer of the University.

Mr. Lynch, known to alumni, students and friends of the University as "Mike," was cited by a nominating committee for "giving of himself freely in the interest of bringing Penn State to a variety of publics and thus enhancing the University's image for our faculty."

Combining an interest in photography and his dedication to Penn State, he organized a slide presentation in 1954 using Penn State songs and music on the history, traditions and spirit of the University. He has presented the talk, entitled "For the Glory of Old State," more than 600 times in one form or another to many diversified groups.

"He has financed this talk with his own funds," the nominating committee noted, "and has not received any reimbursement or honorariums for presenting it."

Mr. Lynch also was cited for his active participation in Lion's Paw, an organization devoted to the preservation of Penn State and its traditions and which, through its actions, has preserved the beauty of Mt. Nittany. He currently serves as chairman of Lion's Paw Nittany Mountain Committee.

A native of Somerset County, he received B.S. and M.S. degrees from Penn State's College of Agriculture. He joined the Cooperative Extension Service staff in October 1945 as assistant county agent in Pottsville, Schuylkill County.

Located at the University Park Campus since 1950, he is responsible in his present position for administering, supervising and coordinating the total staff development, in-service training and professional improvement programs of the Pennsylvania Cooperative Extension Service.

Faculty Notes

Dr. John S. Nisbet, director of the Ionosphere Research Laboratory, has been appointed to the Geophysics Research Board of the U.S. National Academy of Sciences.

Dr. Reginald A. Deering, professor of biophysics, presented a research seminar last month on "Expression of Methanol-Resistant Mutants after Irradiation of Vegetative and Developing Cells of D. discoiderm (P)," at the European Molecular Biology Organization meeting held in Sardinia, Italy. He also delivered papers in England on "DNA Repair during Growth and Development of the Cellular Slime Mold, D. discoiderm" at the Imperial Cancer Research Fund Mill Hill Laboratory, London; Hammersmuth Hospital Medical Research Council, London; and the Biochemistry Department, Oxford University.

Dr. Eugene J. Kelley, dean of the College of Business Administration, was elected to serve a three-year term on the board of the American Assembly of Collegiate Schools of Business. The AACSB is recognized as the sole accrediting agency for bachelor's and master's programs in business and administration. Comprised of educational institutions, business, government and professional groups, it seeks to promote and improve collegiate education for business.

Dr. Edwin L. Herr, professor and head, Division of Counseling and Educational Psychology, was selected to serve May 2-4 as Visiting Scholar to the College of Education at Virginia Polytechnic Institute and State University. Dr. Herr presented two public lectures, "Unresolved Sociopolitical and Research Issues in Career Development Theory and Practice" and "Does Counseling Work. The State of Research." On April 20, Dr. Herr was the keynote speaker for the annual conference of the 15-institution Oregon Intercollege Consortium on Career Education. His topic was "Conceptual Foundations of Career Education."

Dr. Robert E. Andreyka, associate head, Division of Occupational and Vocational Studies, and professor-in-charge of Vocational Industrial Education, presented a paper at the University of Edmonton, Alberta, Canada, on April 1. His topic was "Implementation of Competency-Based Vocational Teacher Education."

Dr. Richard H. Heindel, professor of international relations at Capitol Campus, has been re-elected to a four-year term as a trustee of the Society for the Advancement of Education. Since 1974, Dr. Heindel has been international affairs editor for Intellect, the society's publication, which carries his monthly State of the World column.

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INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Second-class postage paid at State College, Pa. 16801

Dr. Philip S. Skell, Evan Pugh professor of chemistry, has been honored with the 1977 C. I. Noll Award for excellence in undergraduate teaching in the College of Science. His name will be inscribed on a plaque which lists previous winners and which hangs in the main offices of the College of Science in Whitmore Laboratory. The award is the highest honor for teaching granted by the College of Science Student Council.

In presenting the award the student selection committee noted that students most often credit Dr. Skell's success as a teacher to his ability to relate course work to problems in everyday life.

A distinguished researcher of international reputation, Dr. Skell also recently received one of the highest honors a U.S. scientist can obtain from his peers — election to the National Academy of Sciences. The author of more than 150 research papers published in scholarly journals, he has been a member of the Penn State faculty since 1952. His other awards and honors have included Guggenheim and National Science Foundation postdoctoral fellowships and the Alexander von Humboldt Foundation senior scientist award.

The Noll award is named in honor of Dr. C. I. Noll of State College who is professor emeritus of chemistry and former dean of the College of Science.

Dr. Louise F. Guerney, associate professor of human development, last week participated in the signing of a proclamation in Harrisburg designating a Children's Rights Month.

Gov. Milton Shapp issued the proclamation setting aside the period between Mother's Day and Father's Day as Children's Rights Month.

Dr. Guerney participated in the ceremony as the current chairman of the Pennsylvania Alliance for Children, a statewide volunteer child advocacy group which sought the proclamation to draw attention to the need to promote and protect children's rights.

Dr. R. A. Olson, director of the Human Factors Research Program at the Transportation Institute, will be a Visiting Scientist in Sweden this summer at the Swedish National Road and Traffic Research Institute in Linköping.

The Department of Astronomy will host the second annual meeting for astronomers in the Pennsylvania region Saturday, May 14. The meeting will include presentation of a senes of technical papers, and an invited lecture by Dr. L. C. Green of the Strawbridge Observatory at Haverford College. The lecture is titled "Recent Advances in X-ray Astronomy." Penn State faculty members who will present papers include **Dr. Douglas H. Sampson,** professor of astrophysics; **Dr. Peter D. Usher,** associate professor of astronomy; **Dr. Louis Winkler** and **Dr. Lawrence W. Ramsey,** assistant professors of astronomy.

Dr. Ronald E. Buckalew, associate professor of English, read a paper entitled "Editing Aelfric's *Grammar*" at the Twelfth Conference on Medieval Studies of the Medieval Institute of Western Michigan University, Kalamazoo. Prof. Buckalew has also been invited to the Centre for Medieval Studies in Toronto as a special advisor to the editors of the *Dictionary of Old English*. This summer he has been appointed an Associate of Clare Hall, Cambridge University, to continue his research with the support of a grant-in-aid from the American Council of Learned Societies.

Dr. James B. Thies, associate professor of accounting and management information systems, is author of an article in the spnng issue of Hospital and Health Services Administration. The article is entitled "Shared Modular Hospital Information Systems."

Dr. Winfred M. Phillips, associate professor of aerospace engineering, recently presented an invited seminar on "Rheological Considerations in Blood" at Katholieke Universiteit, Nijmegan, Holland. Dr. Phillips is spending the academic year as Visiting Professor at the Institut de Pathologie Cellulair, in Paris.

Obituary

Gordon D. Brigham, assistant professor of speech communication at Altoona, died May 1. He was 58. A retired Air Force major, Prof. Brigham joined the staff of the Altoona Campus in 1968. He received his B.A. at the University of Kansas and his M.A. at Case Western Reserve University. He first came to Penn State as an assistant professor of air science.

Parents alerted

(Continued from page 1)

"I am therefore asking for your immediate help," Dr. Oswald wrote the parents, urging them to contact their legislators as well as the chairmen of the Appropnations and Education Committees in both the Senate and the House.

"I hope you will write or call them to urge an increase in support for Penn State. Specifically, I ask that you urge them to support at least a 5 percent increase for Penn State."

"When you do so," he added, "we must all be aware that Legislators need our understanding and support in solving the State's difficult revenue problems."

President honored

(Continued from page 1)

President Oswald was chosen for the honor "for outstanding contributions in agricultural research, education, and public service."

The Philadelphia Society played an important role prior to 1855 in the founding of The Farmers' High School of Pennsylvania, the forerunner of Penn State.

Dr. Oswald, who holds a B.A. in botany and a Ph.D. in plant pathology, began his academic career as a plant pathologist at the Agricultural Experiment Station of the University of California. Working with the serology of plant viruses and virus diseases, he discovered a new disease of cereals, called the barley yellow dwarf, which has since been recognized as one of the principal cereal diseases throughout the world.

Dr. Oswald credits his interest in botany and plant pathology to the influence of his father, the late Wieland L. Oswald, who in 1899 became the first agricultural botanist at the University of Minnesota and the formulator of the first pure seed law, which has become the model for the nation. He later served until 1941 as editor of Seed World, a seed trade magazine.

Activities data

(Continued from page 1)

President for Research and Graduate Studies by July 31.

The bibliography is printed in two publications, "Research Publications and Professional Activities" and "University Publications and Reports to Agencies." To be included are research papers and articles, books reviewed and printed by established publishers, substantive and/or final reports sent to state and federal agencies, informational materials (articles and reports printed in non-standard journals), and novels, short stories, musical compositions, exhibits of fine arts, inventions, patents and any other activity that meets recognized standards of excellence in its field.

Senate

(Continued from page 1)

— The policy of each unit include specific guidelines to assure *objective* administration of student evaluations;

— Each College seek additional, alternative or complementary methods of instructor evaluation rather than rely upon a single "form." This is especially important when the evaluations constitute a part of the consideration for promotion, tenure and merit increases;

— Each unit be strongly urged to implement student evaluation of its graduate courses; and

— The faculty, through its Faculty Senate, take the responsibility for overseeing the implementation of the recommendations of this report. This may be done through assignment of this responsibility to the appropriate standing committee of the Senate. Such committee should undertake the following: a) Define, as specifically as possible, the concept and role of student evaluations; b) Encourage the design of a coherent system and policy for student evaluations; and c) Promote the exploration of additional or alternative methods of evaluation.

The Senate also approved part of recommended legislation on the retention and transfer of students in baccalaureate program majors and sent part of the proposed legislation to a Senate committee for further review.

According to the report presented at the April 5 meeting by a University task force, the University's basic system of admissions, retention and transfer of baccalaureate students is sound, but problems have arisen because program restrictions and requirements are not always consistent and not always available to students.

The Senate adopted the following recommendations dealing with admissions policies:

— That Senate reaffirm the policy that freshman admission to the University is to a College or DUS, and not directly to a major unless an exception has been granted by the Provost; and

— That Senate endorse the policy that if a College requires restrictions on its baccalaureate admissions, the priorities or quotas established must include provisions to consider qualified students in each of these categories: freshman admissions, Penn State advanced standing admissions, and other advanced standing admissions.

Referred to committee were recommendations from the task force concerning change-of-major policies. Those recommendations, particularly as related to minimum standards established by the Senate and those established within individual academic programs, set off a lengthy discussion.

A door handout, prepared by the Senate Committee on Admissions, Records, and Scheduling, and offered as an alternative to the recommendations of the task force, was also referred to committee.

In other action, nominees for Senate leadership posts in the 1977-78 year were named, and additional nominations were accepted from the floor. A list of candidates selected by the Nominating Committee for chairman-elect and secretary of the Senate appears in the April 28 issue of INTERCOM. Nominated from the floor for those positions were Murray S. Martin, associate dean of University libraries, for chairman-elect; and Winston A. Richards, associate professor of math at Capitol Campus, for secretary of the Senate.

University Park Calendar

May 12 — 22

Special Events

Thursday, May 12
Five O'Clock Theatre, 5:20 p.m., Pavilion Theatre. Free admission.
FSHA Special Dinner, New England Clambake, 5:30-6:30 p.m., Maple Room, Henderson.
Phi Delta Kappa and Pi Lambda Theta meeting, 7:30 p.m., Room 101 Kern.
Wildlife Society Lecture. Glen Bowers, Pennsylvania Game Commission, on "Sportsmen and Citizen Impacts on Decisions for Wildlife Management," 7:30 p.m., Room 301 Ag. Admin. Bldg
Victor Marchetti, former CIA agent, speaking on government secrecy and the press, 8 p.m., Schwab.
University Theatre, *The Great God Brown*, 8 p.m., Playhouse Theatre.

Friday, May 13
Sports: men's tennis, vs. Navy, 2 p.m.
Five O'Clock Theatre, 5:20 p.m., Pavilion Theatre. Free admission
Phi Beta Kappa initiation and banquet, 6 p.m., HUB assembly room. Speaker, Peter B. Shaw on "Black Holes and Other Catastrophies."
Folk and Square Dance Roundup, 7:30 p.m., Room 133 White.
University Theatre, *The Great God Brown*, 8 p.m., Playhouse Theatre.
Graduate Commons musical review, "The Hat's the Thing," 8:15 p.m., Room 112 Kern.

Saturday, May 14
P.S.O.C. Hiking Division, joint hike with Pa chapter of Sierra Club on Mid State Trail, 9 a.m., HUB parking lot.
Sports: men's baseball, vs. Temple, 1:30 p.m.; men's tennis, vs. Pittsburgh, 2 p.m.
University Theatre, *The Great God Brown*, 8 p.m., Playhouse Theatre.
Graduate Commons musical review, "The Hat's the Thing," 8:15 p.m., Room 112 Kern
Berlioz *Requem* with University Choirs and Penn State Symphony Orchestra, 8:30 p.m., Eisenhower Auditorium.
Last date to submit petition to Records Officer to graduate in absentia in May.

Sunday, May 15
University Chapel service, 11 a.m., Eisenhower Chapel. Rev. George G. Hill, East Avenue Methodist Church, Norwalk, Conn.



Prof. Brown rehearses "Requiem" choir

PSU Sports Car Club Autocross, noon, parking lot 80.
Penn State Wind Ensemble Pop Concert, 3:30 p.m., Arts Courtyard.
Graduate Commons musical review, "The Hat's the Thing," 8:15 p.m., Room 112 Kern.
Brent Wissick, cello, 8:30 p.m., Music Bldg recital hall.

Monday, May 16
Department of Psychology/IAHS Conference on Cognition and the Symbolic Processes, through May 19, Keller.
White Band Concert, "Music in the Park," 7 p.m., Fisher Plaza. (Raindate May 17.)
Aristotelian Society meeting, 7:30 p.m., Room 2, Faculty Club
Materials Research Laboratory Lecture. Dr. George Pake, The Xerox Corporation, on "Materials and Society," 8 p.m., Room 112 Kern.
Women's Center Planning Committee Lecture. Louise E. Sandmeyer on "Assertiveness Training," 7:30 p.m., Room 208 Willard.
Claremont Woodwind Quintet, 8:30 p.m., Music Bldg. recital hall.

Tuesday, May 17
IBM-Computation Center, "Introduction to MVS," 10 a.m., all day, Room 214 Boucke.
College of Agriculture faculty meeting, 4 p.m., Room 301 Ag. Admin. Bldg.

Wednesday, May 18
Sports: men's baseball, vs. Delaware, 3 p.m.
G.S.A. Commonsplace Theatre, *Citizen Kane*, 7:30 and 9:30 p.m., Room 112 Kern.
Rebecca McKee, violin, 8:30 p.m., Music Bldg. recital hall.
Spring term classes end 9:55 p.m.
Last day for signing spring term emergency loans, Room 108 Shields.

Thursday, May 19
Final examinations.

Friday, May 20
Sports: men's track, Penn State Open.
Final examinations.

Saturday, May 21
Final examinations.

Seminars

Monday, May 16
Plant Pathology, Albert Ellingboe, Michigan State University, on "Genetics of the Host-Parasite Interaction," 9:45 a.m., Room 213 Buckhout.
Architecture and Urban Planning, Orville G. Lee, HUD, Washington, D.C., on "Orientation and Design of Residence as Related to Climatic Condition of Arid Zone," 2 p.m., Room 318 Sackett
Genetics, Keith Deem on "The Mechanism of Genetic Recombination: Electron Microscopic Observations of Recombination Intermediates" (Potter Dressler, PNAS 73:3000-3004, 1976), 3:55 p.m., Room 111 Tyson.
Biochemistry/Biophysics, Barbara Wright, Boston Biomedical Research Institute, on "Modeling Metabolic Events: Types of Models and Predictions," 3:55 p.m., Room 101 Althouse.

Tuesday, May 17
Biochemistry/Biophysics, Barbara Wright, Boston Biomedical Research Institute, on "Modeling Metabolic Events: Enzyme Kinetic Mechanisms *in vivo*," 11:10 a.m., Room 101 Althouse.
Analytical Chemistry, M.R. Bogdan on "Gas Chromatography-Mass Spectrometry of Reactive Mixtures," 1 p.m., Room 333 Whitmore.
Solid Waste Management, Roger E. Carrier, Ackenhel and Associates, Pittsburgh, on "Geotechnical Aspects of Solid Waste Processing Systems," 2:20 p.m., Room 124 Sackett.
Nutrition, Micha Theiner, University of Pittsburgh Dental School, on "Diet for Dental Health," 4 p.m., Room 117 Henderson.

Thursday, May 19
Chemistry, Barry L. Karger, Northeastern University, on "Recent Advances in Gas and Liquid Chromatography," 12:45 p.m., Room 333 Whitmore.

Exhibits

Anthropology Museum: Hours are 1-5 p.m. Tuesdays and Thursdays, and 10 a.m.-1 p.m. Wednesdays. Entrance at rear of Sparks.
HUB Gallery: Smithsonian Institution exhibit, "Photographing the Frontier"; sketches by Roy Ann S. Carney, through May 20; macrame and basketry by Amy Apple; crafts selected by Village Crafts.
Kern Commons Gallery: Eleanor Zygler, oils; Caroline Hagerich, paintings; Carol Mockler, paintings; Gregory Hannabarger, ceramics.
Museum of Art: Vorticism; Growing Forms; abstract paintings and prints from the permanent collection, through May 15.
Museum of Art HUB Gallery: David Rubello, Recent Works, through May 15.
Pattee Galleries: Silversmithing by the Art Education advanced crafts class, and Mutilated Books, through May 16, Main Lobby; Contemporary French Photography, through May 20, East Corridor Gallery; W. Zdanewski, photography, Lending Services Lobby.
Zoller Gallery: MFA Graduate Exhibition, May 15 through May 20.
Chambers Gallery: Art Education undergraduate student exhibition, through May 18

Arts Roundup

Mass to be performed

An immense percussion section, four brass choirs, a 100-member orchestra and a 200-member chorus will combine in a performance of Berlioz's *Requiem* at 8:30 p.m. on Saturday, May 14, in Eisenhower Auditorium.

Raymond Brown, director of choral music, will conduct the University Choirs and the University Symphony Orchestra in the performance of the 19th-century mass for the dead.

According to D. Douglas Miller, director of the orchestra, the *Requiem* is unique because, in addition to the primary orchestra, Berlioz placed four brass choirs at the four corners of the chorus to represent the four corners of the earth. Berlioz thus tried to create the aura of Judgment Day, with an enormous fanfare announcing the coming of the Judge.

"Berlioz also asked for large percussion forces, and we will use as many as 12 tympani," Dr. Miller says.

The orchestra will be augmented by percussionists and members of the Penn State Brass Chorale to accommodate Berlioz's score.

In contrast to the explosiveness of the Judgment Day is the *Sanctus*, sung by a tenor soloist and three-part treble voices. The serenity of this section, declaring, "Holy is the Lord God of Hosts; Heaven and Earth are full of Your Glory," is one of the many extreme emotional variations throughout the mass.

Alan Crabb of the Tri-Cities Opera in Binghamton, N.Y., will perform the tenor solo. He has made numerous concert and opera appearances, including performances with the Pittsburgh Symphony Orchestra and the Syracuse Orchestra.

Tickets are available at the Eisenhower Auditorium box office weekdays from 9 a.m. to 4 p.m. and will be available at the door. Seating is not reserved. Proceeds from this concert will be divided between the orchestra and choirs and will be used to finance the tours of each group.

The concert is supported by a grant from the Institute for the Arts and Humanistic Studies.

Claremont concert May 16

Two guest soloists will appear with the Claremont Woodwind Quintet in the group's final concert of the academic season at 8:30 p.m. Monday, May 16, in the Music Bldg. recital hall.

Pianist Steven Smith will join quintet members Smith Toulson, clarinet; Overda Page, flute; Christeen Dole, French horn; Monte Bedford, oboe; and William Dole, bassoon, in *L'Heure du Berger*, a light-hearted piece by Jean Francaix reminiscent of the cabaret music of Jacques Brel.

Pianist Pawel Checinski, with four of the quintet, will perform Mozart's Quintet for Piano, Oboe, Clarinet, Horn and Bassoon, K. 452, one of the great pieces in the piano and woodwind repertoire.

The third major work to be included in the Monday concert is Gunther Schuller's Woodwind Quintet, which was written in 1958 and dedicated to the New York Woodwind Quintet. The work is part of the "third stream" music of that period, which sought to combine elements of serious music with selected jazz motifs.

Outdoor pop concert May 15

The Penn State Symphonic Wind Ensemble will present an outdoor pop concert at 3:30 p.m. on Sunday, May 15, in the Alumni Arts Courtyard. The light-hearted program will include music from the Broadway stage, marches by Sousa, and musical memories from the '40s big band era. The 40-piece ensemble is directed by Smith Toulson, associate professor of music, and is made up of Penn State students and faculty.

Mr. Toulson urges parents to bring their children along for the informal concert.

Summer festival set

Nittany Mountain Summer at the University enters its fourth consecutive season this summer with the 20th anniversary of the Festival Theatre, three exhibits in the Museum of Art, and a new program of events entitled "Spectrum."

"Spectrum," which will be held in Eisenhower Auditorium, opens July 9 with a performance by the London Contemporary Dance Theatre. John Philip Sousa's comic operetta, *El Capitan*, will be presented by the Eastern Opera Theatre of New York July 12. The Earl Scruggs Revue, featuring Earl Scruggs and his sons, will appear July 16.

The Baltimore Symphony Orchestra will present a concert July 18, and the nearly-forgotten art of tap-dancing will be revived by a group of seven dancers called The Hoofers on July 20. The Tammy Wynette Show, featuring Tammy Wynette and The Tennessee Gentlemen, will give two performances July 22.

The Cincinnati Ballet Company, one of America's leading ballet troupes, will present two separate programs July 28 and 29, and will give a workshop and demonstration July 27.

The Festival Theatre celebrates its 20th consecutive professional season with an anniversary revival of *The Royal Family* by George S. Kauffman and Edna Ferber. The comedy was presented in the Theatre's first season 20 years ago. *The Royal Family* will run in the Pavilion Theatre evenings from June 23-26, June 28 to July 3, and July 5-9, with a matinee performance July 2.

The Tony Award-winning musical *A Little Night Music* will appear every evening in the Playhouse July 7 to 10, 12-17, and 19-23, with a matinee performance July 16.

The Last Meeting of the Knights of the

(Continued on page 4)

News in Brief

HEW cuts human subjects protection certification time

The Department of Health, Education and Welfare has shortened the time period for submission of certification for protection of human subjects from 90 to 60 days.

The new regulation is effective as of May 1.

All sponsored or unsponsored proposals and activities involving human subjects must be reviewed and approved by either the University's Biomedical Review Committee or the Behavioral and Social Science Review Committee. Without such committee review, approval and subsequent certification, HEW and ERDA will neither process a proposal nor fund it.

"The new reduction in the allowable delay for committee review means that investigators who need human subjects review should make arrangements with us as soon as possible," says Dr. Roger L. Kerlin, executive secretary to the review committees. "Since a maximum of 30 days must be allowed for the internal committee review process, there is little slack time in the system."

Dr. Kerlin notes that specifications for protocols, informed consent and other requirements are published in the University bulletin, "Human Subjects: Policy and Procedure." It is available, along with the necessary forms, from the Secretariat, Room 316 Willard Bldg., 865-1775.

Scholarship awards Sunday

More than 275 students will be honored Sunday afternoon, May 15, for outstanding scholarship.

President Oswald will present certificates at the annual Academic Awards Program at 3:30 p.m. in Schwab Auditorium to 207 sophmores who qualify for the President's Freshman Award, to 16 who qualify for the President Sparks' Award, and to 56 Evan Pugh Scholars.

The freshman awards are made to those students who have carried a full-time credit load and earned perfect 4.0 averages for any two of the three terms of their freshman year. To qualify for the President Sparks' award, a student must have completed six terms of full-time study with a perfect 4.0average for each of the six terms. The Evan Pugh Scholars are those juniors and seniors in the upper 0.5 percent of their class at the end of winter term 1977. All have been full-time students for at least six terms. Juniors this year have had a cumulative grade point average of 3.96 or above and the seniors, 3.95 or above to qualify.

Former CIA officer to speak May 12

A former Central Intelligence Agency officer and Penn State alumnus, Victor Marchetti '55, will discuss government secrecy in a free press tonight (Thursday) at 8 p.m. in Schwab Auditorium.

Sponsoring his appearance are the Slavic-Soviet Language and Area Center, the Office of International Program Development, the School of Journalism and the student and professional chapters of Sigma Delta Chi, the Society of Professional Journalists.

Mr. Marchetti holds Penn State degrees in Soviet studies and history. The CIA recruited him in 1955, making its first contact with him in the Nittany Lion Inn. The Hazleton native quit the agency in 1969 because, he said, he became disenchanted with the policies of the government in foreign affairs. When he resigned, he was serving as an officer on the director's staff.

He is best known for writing, with John Marks of the State Department, *The CIA and the Cult of Intelligence.*

Through a federal court decision the Supreme Court let stand, the CIA made the authors delete portions of the non-fiction book. Mr. Marchetti and Mr. Marks published the book with blank spaces that took up as much space as the information would have in print.

Three to receive Altoona Gold Medal award

Three outstanding citizens, longtime friends of the University, have been selected to receive the coveted Altoona Campus Gold Medal Award at a special banquet in their honor, Thursday, May 27, in the Penn Alto Hotel.

Chosen by the Altoona Campus Advisiley Board for the honor are Dr. Eric A. Walker, Penn State president emeritus; Helen Barclay, director of the Blair County Senior Citizens Activity Center, and Frank Marsh, retired president of Mid-State Bank & Trust Company, Altoona.

First established in 1965, the Gold Medal Award was created by the Altoona Campus Advisory Board, "to honor those persons who have attained notable achievement in serving society, or who have gained prominence in their specialized fields and now deserve to be singled-out for recognition of their contributions to their communities and their fellow men and women."

MVS introduction May 17

On Tuesday, May 17, an IBM Education Specialist will present an all-day Introduction to MVS — the Computation Center currently has a project underway to convert to this "virtual storage" operating system. The presentation will start at 10 a.m. in Room 214 Boucke Bldg., and the public is invited to this discussion of "virtual storage."

The morning topics will include an overview and reasons for MVS, a virtual storage review, the job entry subsystems (currently HASP in our MVT system), and resource allocation. The afternoon will be spent on more detailed subjects such as virtual input/output, task management, locks, and other system management and performance features.

Cognition conference

The Second Penn State Conference on Cognition and the Symbolic Processes, sponsored by the Department of Psychology and the Institute for the Arts and Humanistic Studies, is scheduled for Monday, May 16, through Thursday, May 19. All sessions will be held at the Conference Center of the J. Orvis Keller Bldg.

According to co-chairmen Dr. Walter B. Weimer, associate professor of psychology, and Dr. David S. Palermo, professor of psychology, the conference is an attempt to summarize current knowledge in the field of cognitive psychology and to point out future directions for research. The conference is modeled on a previous one held in 1972.

Major papers will be presented at each of six sessions, and there will be a seventh session for open discussion. The schedule will be as follows: "Speech and Locomotion: The Concept of Control in Cognitive Theory," Dr. Michael T. Turvey, University of Connecticut, 9 a.m., May 16; "Why a Neuropsychologist Must Know the Literature in Memory, Perception, and Cogniton as well as Physiological Psychology," Dr. Karl H. Pribram, Stanford University, 1:30 p.m., May 16; "Representation in Meaning," Dr. Eleanor Rosch, UC-Berkeley, 9 a.m., May 17; "On Listening: What Does Rhetoric Have to Say to Cognitive Psychology?," Dr. Carroll C. Arnold, Penn State, 1:30 p.m., May 17; "Eulogical Approach to Visual Perception," Dr. James J. Gibson, Cornell University, 9 a.m., May 18; "Discussion of 'The Sensory Order'," nobel laureate F. A. Hayek, University of Freiburg, Germany, 1:30 p.m., May 18, open discussion, 9 a.m., May 19

Nominations asked for Chapel speakers

The Office of Religious Affairs is now accepting nominations for Chapel speakers for 1977-78. Interested persons are invited to nominate speakers they would like to hear and who can project perspectives of meaning and value for members of the University community.

Please send the nominee's name, current address and any background information to Charles L. Coleman, Program Director, Room 110 Eisenhower Chapel. For further information, please call 865-6548.

Future planners unite

Members of the World Future Society and individuals interested in futuristics, futurology, future studies, technological forecasting, etc., are invited to a luncheon get-together at 11:30 a.m. on Friday, May 20, at the Faculty Club. The purpose of the meeting is to identify all individuals in Central Pennsylvania interested in subjects related to future studies, according to Manfred Kroger, associate professor of food science, who is organizing the get-together.

Pattee study space assignments on May 31

Members of the faculty who wish to obtain Faculty Study Space Assignments in Pattee Library for the summer term should note that the assignments will be made on a first-come, first served basis Tuesday, May 31, beginning at 7:30 a.m. in Room 106 Central Pattee. There are only 39 such spaces. Further questions should be directed to Cordelia Swinton, 865-5429.

WPSX Highlights

The health, value, and future of television is examined on **TV for Better or Worse**, a half-hour special program to be seen Friday, May 13, at 10:30 p.m. The program is built around interviews with television producers, writers, and one actor, Alan Alda.

Willie Nelson, dean of country music's "outlaws," is featured on the premiere program of **Austin City Limits** Monday, May 16, at 10 p.m. Nelson, who won three Country Music Association Awards in 1976, performs several of his progressive country songs and is joined by Tracy Nelson.

The potential of idiomatic American English as a universal language is one of the aspects of a universal language examined on **Nova** Wednesday, May 18, at 8 p.m. The hour-long documentary also probes the price that the world's cultures will pay if they adopt a standard language

Economist John Kenneth Galbraith leads viewers on a tour through two hundred years of economic and social thought on **The Age of Uncertainty,** premiering Thursday, May 19, at 9 p.m. Each program in the series mixes film, animation and special effects to present basic economic concepts clearly, visually and dynamically. On the first program, Prof. Galbraith reviews the "classical capitalism" that grew out of the theories of Adam Smith, David Ricardo, and Thomas Malthus.

The pastoral beauty of the American south is the backdrop for *Tennessee Williams' South,* Thursday, May 19, at 10 p.m. The unusual special mixes scenes from Williams' most famous plays with film of the region in which many of his plays are set. Burl Ives, Colleen Dewhurst, Jessica Tandy, Michael York, Maureen Stapleton, and others appear in scenes from *The Last of My Solid Gold Watches, The Night of the Iguana, A Streetcar Named Desire, The Glass Menagerie,* and *Small Craft Warning.*

Arts roundup

(Continued from page 3)

White Magnolia, by Preston Jones, will run every evening in the Pavilion Theatre from July 21-24, July 26-31, and Aug. 2-6, with a matinee performance Aug. 6.

The season will close with a musical revue of the favorite works of George Gershwin entitled *Gershwin Revisited.* The show will appear in the Playhouse July 29-31, and Aug. 2-6, with a matinee performance Aug. 6.

A schedule of Behind-the-Scenes with the Festival Theatre is also being planned.

The Festival Theatre Box Office, located in the Playhouse, will open June 6.

In the Museum of Art, "American Paintings from the Collection of Daniel J. Terra" will be exhibited from June 5 to July 17. "The Realist Tradition in American Painting" (from the University's Permanent Collection) will be exhibited from June 5 to July 31, and the Central Pennsylvania Festival of the Arts Juned Craft Exhibit will be displayed July 10 to Aug. 7.

Spring musical at Kern

The Graduate Commons will present a spring musical, "The Hat's the Thing," at 8:15 p.m. on May 13 14 and 15 in the assembly room of the Kern Graduate Bldg. "The Hat's the Thing" is a musical revue centering around several costume hats found in many major musical productions. Featured will be a cowboy hat, a Dutch boy's hat, a crown, and a large picture hat, each representing a segment of show tunes from the past.

Tickets for each evening's performance are priced at $1.25 for students and $1.75 for non-students. All seats are reserved. Tickets and reservations are available at the Kern Information Desk or by telephoning 865-1878.

White Band "in the Park"

Penn State's Concert White Band will present "Music in the Park" at 7 p.m. on Monday, May 16, in Fisher Plaza. Featured on the program will be numbers designed to entertain the entire family, including a collection of Civil War songs arranged by Bilik, selections from *Fiddler on the Roof* and marches by Williams, Fillmore and Sousa. The band is under the direction of Darhyl S. Ramsey, assisted by Hendley D. Hoge.

Raindate is May 17 at 7 p.m. in the Fisher Plaza.

French photo show

An exhibit, "Images of French Photography," is on exhibit in the East Corridor Gallery of Pattee Library. Five photographers from the legendary Magnum agency are represented in the show — Bruno Barbey, Guy Le Querrec, Jean-Paul Parreault, Gilles Peress and Marc Riboud. A number of photographers from the Viva agency are also shown, among them Serge Bois-Prevost, Patrick Bruchet, Martine Franck and Francois Hers. Edouard Boubat, Harry Gruyaert and Jean-Philippe Charbonnie contribute works, and there are three recent photographs by Cartier-Bresson. The show will continue through May 20.

Funding Sources

For further information, call 865-1372

(270-1) The National Science Foundation supports both domestic and foreign travel of U.S. scientists under the **International Cooperative Programs** Travel within the United States of foreign scientists is also supported. (Ref NSF 77-133) (CBD 4/15/77) (C & U Report 4/25/77)

(270-2) The International Institute of Education "Fulbright" awards applications for 1978-79 **graduate student study abroad** are available at Room 317 Kern. Applicants should plan to speak with Dean B F. Howell about their plans at the time they pick up the application forms. Applications are due back at 317 Kern by Sept. 30. (Ref FO 77-8)

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Penn State Intercom



Wayne D. Lammie

Lammie receives Wilkinson award

Dr Wayne D Lammie, associate director for academic affairs at the Shenango Valley Campus, has been chosen to receive the 1977 John E. Wilkinson Award for Administrative Excellence at the University.

The $500 award was established in 1970 to be presented annually for outstanding achievement in the administrative field. It is made possible by friends of John E. Wilkinson, Bellefonte businessman, in whose honor it is named.

The award will be formally presented at a reception May 29 by President Oswald.

Mr. Lammie is the first Commonwealth Campus staff member to receive the Wilkinson Award.

In the recommendation, Dr. Lammie was cited for "innovatively streamlining the registration procedure at the Campus" and for encouraging and maintaining "completely open lines of communication between the faculty and the administration."

"He treats each faculty rhember," the recommendation noted, "with a humane sensitivity for which he is greatly respected and admired."

He also was cited for his concern with the future of higher education and efforts he has made "toward establishing rapport with the individuals and institutions of the Shenango Valley."

A graduate of Muskingum College, New Concord, Ohio, Dr. Lammie received his M.A. in history from the University of Pittsburgh and his Ph.D., also in history, from Ohio State University. He joined the Shenango Valley faculty in 1966 and taught history and political science until 1973 when he was named acting assistant director for resident instruction. He received an academic promotion to assistant professor of history in 1973 and was named associate director for academic affairs in 1974.

Minors jobs policy

Since many high school students seek summer employment at the University, the Office of Personnel Administration would like to remind faculty and staff of State and federal regulations and a University policy on the employment of minors.

The law defines a minor, for employment purposes, as anyone below age 18 who has not graduated from high

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News in Brief

HUB lot closed May 26

The HUB parking lot will be closed all day Thursday, May 26, to accommodate delegates assembling for the annual Board of Trustees' elections. Faculty and staff are reminded to use the designated open faculty and staff parking lots on that day.

Policy described for military leaves

At this time of year, many military reservists and National Guard members request leaves of absence for annual military training duty, and the University, in accordance with the law, will grant such leaves without salary regardless of an individual's length of regular University service. University policy also provides that if a regular faculty or staff member has six months of regular University service prior to the date of the requested leave, the leave is granted according to the provisions of PS-20 (Leave of Absence for Annual Military Training Duty).

PS-20 provides that a regular faculty or staff member employed on a 12-month basis, whose military base pay is less than his or her University salary during the period of the leave, will, upon request, be paid the difference by the University for a period of active duty of from 7 to 15 days.

A staff member may elect to charge the entire period of training to accumulated vacation, if available. In that case, the individual continues to receive full salary from the University.

Calendar data due

A summer term calendar will be published in the June 9 issue of INTERCOM. Items to be include din this listing should be sent to the Calendar Editor, Room 312 Old Main, 865-2501, by Monday, May 30

Terrace Room schedule

Because of repairs, the HUB Terrace Room will be closed from Tuesday, May 24, through Saturday, June 4. However, the Lion's Den will serve a limited menu from 8 a.m. to 1 30 p.m. during most of this period. The Lion's Den will shut down May 21, 22 and 23, reopening May 24 through 27. It will be closed May 28 through 30 and resume service from May 31 through June 3. The Terrace Room will be open for lunch and dinner through May 23 and reopen with the noon meal on Sunday, June 5

Hazleton dedicating phys ed building

Dedicatcn ceremonies for the new Physical Education Bldg. at the Hazleton Campus will be held at 2 p.m. on Sunday, May 22.

Martin L. Murray, president pro tempore of the State Senate, will present the building to the University. It will be accepted by Robert G. Quinn, dean of academic instruction for Commonwealth Campuses, representing the University and by Dr. James D. Gallagher, associate dean for Commonwealth Campus programs, representing the College of Health, Physical Education and Recreation.

Judge Richard L. Bigelow will respond

(Continued on page 4)

Commencement schedule is announced for all Campuses

Commencement exercises at the University will follow the schedule which appears below:

Saturday, May 21:

College of Medicine, The Milton S. Hershey Medical Center, 10 a.m. in Founders Hall of The Milton S. Hershey School. Speaker will be Dr. Edward D. Eddy, incoming provost of the University. 89 degree candidates.

Thursday, May 26:

Ogontz Campus, 8 p.m. in the Physical Education Bldg. State Rep. Joseph M Hoeffel III will speak. 78 degree candidates.

Friday, May 27:

DuBois Campus, 2 p.m. in the Multi-Purpose Bldg. Dr. Charles L. Hosler, dean of the College of Earth and Mineral Sciences, will speak on "The Energy Problem: An Example of Decision Making in a Democratic Society." 104 degree candidates.

Hazleton Campus, 7 p.m., outdoors on campus. Luzerne County Court of Common Pleas Judge Richard L. Bigelow will be the speaker. 72 degree candidates.

Worthington Scranton Campus, 8 p.m., Multi-Purpose Bldg. Speaker will be Lackawanna County Common Pleas Court Judge Daniel L. Penetar. 90 degree candidates.

York Campus, 8 p.m., Conference Center. Dr. Nunzio J. Palladino, dean of the College of Engineering, will speak on "Safe, Sane Nuclear Policy." 68 degree candidates.

Saturday, May 28:

Altoona Campus, 10 a.m., Adler Physical Education Bldg. Dr. Eric A. Walker, president emeritus of the University, will speak on "We Need Innovators." 157 degree candidates.

McKeesport Campus, 10 a.m., Buck Union Bldg. Joseph W. Synan, vice president of planning, Gulf Science and Technical Co., will speak on "Energy and Your Future." 64 degree candidates.

Behrend College, 10:30 a.m., Erie Hall. Speaker will be Dr. John Holland, associate professor of education planning, Ontario Institute for Studies in Education 117 degree candidates.

Berks Campus, 10:30 a.m., Library. Speaker will be Dr. Helen D. Wise, member of the State House of Representa-

(Continued on page 3)



Construction worker on Chandlee addition was photographed by Steve Williams

PENN STATE COLLECTION

Faculty Notes

Dr. Peirce F. Lewis, professor of geography, was honored for his outstanding contribution to the field of geography at the 73rd annual meeting of the Association of American Geographers, held last month in Salt Lake City. The citation reads: "For truly perceptive and eloquent studies of the evolving human scene in North America, for creative scholarship, advocacy, and teaching that have so greatly increased our sensitivity to the way in which habitat, history, society and culture have interacted to mold the fascinating ever-changing landscape."

Dr. Donald E. Fahnline, assistant professor of physics at Altoona, has received a first-place award in the American Association of Physics Teachers national competition for his entry, "Stirring up a Magnetic Paradox." The award, which includes a $200 prize, is based on a submission's originality, its merit as a teaching device, the need for it, its simplicity of design and ease of duplication. Dr. Fahnline's apparatus demonstrates magnetic effects in an unusual manner.

Dr. Joseph Jordan, professor of chemistry, was one of 10 invited speakers from various universities at the second U.S.-Japanese Cooperative Seminar on Recent Developments in Kinetics, Catalysis, and Photosensitization of Electrode Processes, held in San Francisco May 16-19. His talk was entitled "Electrode Kinetics of Porphyrin C and Heme C: Recent Advances in Bioelectrochemical Modelling." The paper was co-authored by Charles Ting, a Ph.D. candidate working under Prof. Jordan's direction, and by Prof. M. Gross, of the University of Strasbourg, France. The seminar was funded by the National Science Foundation.

Dr. Samuel S. Dubin, professor of psychology, Planning Studies, Continuing Education, has been appointed to a National Science Foundation steering committee to develop a program plan for Continuing Education in Science and Engineering.

Dr. George W. Gokel, assistant professor of chemistry, presented a seminar to the Department of Chemistry at the University of Pittsburgh May 5 on "Crown Ethers and their Cation Complexes."

Dr. Robert C. Baldwin, assistant professor of wood science and technology, has been named to the Danforth Associates Program. Participants in the program work to improve student-faculty relations and to increase the effectiveness of college learning and teaching.

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INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Second-class postage paid at State College, Pa. 16801

Dr. Mark Peattie, associate professor of history, has been awarded a Social Science Research Council grant to pursue research on "Ideas and Men in the Japanese Colonial Empire, 1895-1945" at the Hoover Institute on the Stanford University campus this summer. He presented a lecture on this topic earlier in the month at the Columbia University Seminar on Modern Japan.

Dr. Peter D. Usher, associate professor of astronomy, recently presented a seminar at the University of Southern California on "Variable Quasars in High Latitude Survey Fields."

Sculpture by **John Cook,** professor of art and head of the sculpture area in the Department of Art, was featured at the Christ Chapel Gallery of Gettysburg College April 13 through May 3. Twenty pieces were included in the one-man show. In conjunction with the exhibit, Mr. Cook presented a seminar and lecture at the college.

Dr. August H. Simonsen, instructor in environmental sciences at McKeesport, presented a paper at the Geological Society of America North-Central Section's Meeting held at Southern Illinois University April 28-30. The paper, which Dr. Simonsen coauthored with **Dr. Roger J. Cuffey,** associate professor of paleontology at University Park, was entitled "Fenestrate and Pinnate Bryozoans in the Wreford Megacyclothem (Lower Permian; Kansas, Oklahoma, and Nebraska)."

Dr. Paul Edmonston, professor of art education, recently participated in an international conference on the visual arts sponsored by the Franklin Perkins School for the Mentally Retarded in Lancaster, Mass. His paper, "Myth and Symbol in Indian Art," will appear in the proceedings of the conference. Another paper by Dr. Edmonston, a series of essays titled "Meditations on Teaching, Culture, Survival and the Visual Arts," will be included in an anthology of papers by 22 leading art educators to be published by the Illinois State University at Normal, Ill.

Dr. Roy C. Buck, professor of sociology and social science, is author of "Making Good Business Better: A Second Look at Staged Tourist Attractions" in the current issue of Journal of Travel Research. He also presented a paper at the meeting of the Travel Research Association entitled "Tourism and Culture Preservation: The Case of Old Order Amish in Lancaster County, Pennsylvania."

Dr. Henry S. Albinski, professor of political science, is the author of an article, "Currents in Canadian Politics," in the April issue of Current History.

Enrique Grönlund, instructor in Spanish, was named 1977 Chief Ogontz by the student association at the annual Ogontz Campus Honors Convocation on April 28. He received the traditional Chief's medallion together with a citation which recognizes "dedication, inspiration, educational ideals, active participation and outstanding contributions to student life." The Ogontz "Oscar" for outstanding advising went to **Alden R. Hodgen,** associate professor of engineering. The awardee is selected by the advising committee of the Ogontz Faculty Senate from nominations submitted by students and faculty.

Dr. Wasyl O. Luciw, head of the Slavic Library Program, was the main speaker for the 60th Anniversary of a Ukrainian Home in Pittsburgh. His lecture was titled "Ukrainian Pioneers and their Activities in Western Pennsylvania."

Pencil drawings by **William D. Davis,** assistant director of the Museum of Art, were featured in an exhibit, "Works on Paper," earlier this month at the Penthouse Forum Gallery, New York City. Works by Mr. Davis are also included in an exhibit at the Jane Haslem Gallery, Washington, D.C.

Dr. Audrey T. Rodgers, associate professor of English, is the author of "'Circumference' in the Poetry of Emily Dickinson," in the current Emily Dickinson Bulletin.

Dr. George M. Guthrie, professor of psychology, wrote "Issues in Cross-Cultural Research," an article published in the 1977 Annals of the New York Academy of Sciences.

Two articles by **Dr. Raymond E. Lombra,** associate professor of economics, have recently been published in the Quarterly Journal of Economics and the Journal of Economics and Business. They are entitled "Discount Rate Changes and Announcement Effects" and "Seasonal Adjustment of the Money Stock: An Analysis of Alternative Techniques."

Volume 2 of *To Look for America,* documentary readings in American history, was published this spring by the University Press of America in Washington, D.C. **Dr. Leonard R. Riforgiato,** assistant professor of history at the Shenango Valley Campus, is the editor of both volumes. Volume 1 was published last year.

Dr. Robert M. Feinberg, assistant professor of economics, is the author of an article, "The Superiority of Sequential Search: A Calculation," in the April issue of the Southern Economic Journal.

Dr. Luis F. González-Cruz, associate professor of Spanish at New Kensington, is the editor and founder of *Consenso,* a new literary magazine in Spanish published by *Publicaciones Consenso. Consenso* will be published twice a year, in May and November, and the first issue is now available. It includes three poems written by Prof. González-Cruz.

Marion A. Dougan, assistant professor of nursing, is the author of an article in the "Journal of Nursing Education" entitled "Nursing In Health Maintenance: The Experience of One Diploma School."

Dr. Douglas E. MacDonald, assistant professor of engineering mechanics, has been appointed a second-year research Fellow in the NASA-ASEE (American Society for Engineering Education) Summer Faculty Research Program to be conducted at the NASA Langley Research Center, Hampton, Va., this summer.

Dr. Catherine Albanese, associate professor of religious studies, is the author of "The Multi-Dimensional Mandala: A Study in the Interiorization of Sacred Space" in the April issue of NUMEN.

David B. Van Dommelen, professor of art education, is exhibiting his fiber crafts at the Elephant Walk Gallery in Pittsburgh through May 25. Mr. Van Dommelen has exhibited in numerous one-man shows throughout the United States and his work is represented in many museums and private collections in this country and abroad.

Dr. Abbas Labbauf, associate professor of chemistry at McKeesport, presented a paper on "Chemical Hazards and their Environmental and Health Impacts in the Hot-Melt Adhesives Industry" at the Technical Association of Pulp and Paper Industries (TAPPI) Symposium held on April 21 at Hilton Head, S.C.

Appointments

Elizabeth C. Meehan to assist librarian at Ogontz. B.A., U. of Connecticut; M.L.S., Southern Connecticut State College. From 1970 to 1977, library assistant, U. of Connecticut.

Julia A. Zimmerman to assistant librarian. B.A., Florida State U.; M.Ln., Emory U.

Larry A. Hull to instructor in entomology at the Fruit Research Lab, Biglerville. B.S., Mount Saint Mary's College; Ph.D., Penn State. Research in development of integrated pest management systems for deciduous fruits.

Obituaries

Maurice S. Gjesdahl, who served as professor and head of the Department of Mechanical Engineering until his retirement in 1962, died May 11 at the age of 79.

A native of Minneapolis, Minn., Mr. Gjesdahl received his B.S. in engineering at the University of Minnesota and his M.S. in engineering from Lehigh University. Mr. Gjesdahl joined the Penn State faculty in 1929. He resigned in 1942 to accept a position as research engineer with the Landis Tool Company of Waynesboro, and while there he developed the Centerless Thread Grinder, a production machine for the grinding of screw threads. He returned to Penn State as professor of mechanical engineering in 1946 and in 1950 was named head of the Division of Machine Design. He became head of the department in 1960. After his retirement with emeritus rank, he accepted an appointment as professor of mechanical engineering at the College of Engineering in Poona, India.

Dr. John R. Lotz, assistant professor of chemistry, died May 11. He was 58.

A native of Pottsville, Dr. Lotz had served on the faculty, with two interruptions, since 1940. From 1942 to 1944, he was an instructor at the Hazleton and Altoona Campuses and from 1947 to 1953, at Mont Alto. With the exception of the years 1954 to 1957 when he was a fellow at the Mellon Institute, Dr. Lotz taught at the University Park Campus from 1953 until his death.

He earned a B.S. at Penn State in 1940 and a Ph.D. in 1954.

Walter W. Trainer, former head of the Division of Landscape Planning and Construction, died May 11 in Hendersonville, N.C. He was 81, having retired in 1961.

A Doylestown native, Mr. Trainer received B.S. and M.S. degrees at the University. He was appointed supervisor of landscape construction and maintenance and also to the academic staff as assistant professor of landscape construction in 1930. His duties were expanded in 1932 to include supervision of maintenance of the University golf course and in 1944 supervision of farm property maintenance.

Mr. Trainer served for 17 years on the State College Borough Shade Tree Commission, heading the commission six years. He twice filled vacancies on the State College Board of Education, and served on the State College Park and Recreation Board. He was also active in the development of the 28th Division Memorial Shrine at Boalsburg.

Alfred F. Woelfel, who retired from the University in 1961 after 41 years of service, died May 9. He was 81. A native of Freeland, he received bachelor's and master's degrees in electrical engineering from Penn State and joined the faculty in 1920. He was an assistant professor of electrical engineering.

Calendar

May 19 — June 9

Special Events

Thursday, May 19
Final examinations.

Friday, May 20
Final examinations.
Sports: men's track, Penn State Open.

Saturday, May 21
Final examinations.
Art Education festival, "Creative Elizabeth," films, theatricals, juggling, music, 10 a.m.–4 p.m., Fisher Plaza and Kern Graduate Bldg.

Sunday, May 22
Reception for opening of Centre Intermediate Unit scholastic exhibit, 1 p.m., Kern lobby.
C.I.U. Weekend in the Arts, 1-8 p.m., Fisher Plaza and Kern Graduate Bldg.

Monday, May 23
Final examinations.
Continuing Education final examinations.

Tuesday, May 24
Continuing Education final examinations.
Fixed date for meetings involving Commonwealth Campus faculty.
Higher Education Student Association meeting, noon, Room 101A Kern.
Senate Council meeting, 2:10 p.m., Room 101 Kern

Thursday, May 26
Board of Trustees meeting, Room 402 Keller Bldg.

Friday, May 27
Board of Trustees meeting, Room 402 Keller Bldg.

Saturday, May 28
Commencement, 10:30 a.m., Beaver Stadium.

Friday, June 3
Alumni Class Reunions, 10 a.m., Room 112 Kern.

Monday, June 6
Continuing Education registration, 1 p.m., Room 101 Kern.
Orientation and advising for new students

Tuesday, June 7
Registration for summer term.
Continuing Education registration, 9 a.m., Room 101 Kern.
Fixed date for meetings involving Commonwealth Campus faculty.

Wednesday, June 8
Summer term classes begin, 8 a.m.



Art education festival May 21 is sponsored by Saturday Morning Art School.

Seminars

Thursday, May 26
Microbiology and Cell Biology, Paul S. Lovett, University of Maryland, on "Control of Bacterial Sporulation by Non-Chromosomal Replicons: a novel example of phage conversion," 4 p.m., Room S2 Frear.

Thursday, June 2
Microbiology and Cell Biology, Barbara A. Hamkalo, University of California, Irvine, on "Structure and Function of Chromosomes," 4 p.m., Room S2 Frear.

Exhibits

HUB Gallery: Roy Ann S. Carney, sketches, through May 20; Amy Apple, macrame and basketry and Village Crafts selection of crafts, through May 31; Smithsonian Institution exhibit, "Photographing the Frontier," through June 5.

Kern Commons Gallery: Eleanor Zygler, oils; Caroline Hagerich, paintings; Carol Mockler, paintings; Gregory Hannabarger, ceramics, all through May 21; C.I.U. scholastic exhibit, May 21-June 5.

Museum of Art: Vorticism, through May 29; Growing Forms, American Paintings from the collection of Daniel J. Terra and The Realist Tradition in American Painting from the permanent collection, opens June 5.

Patlee Galleries: Contemporary French Photography, through May 20; photographs from the Historic Registration Project of Centre County, opens May 23, East Corridor Gallery; W. Zdaniewski, photography, through May 23; Herman Love, photography, opens May 24, Lending Services Lobby.

Zoller Gallery: MFA Graduate Exhibition, through May 20.

Commencement

(Continued from page 1)

tives and the University Board of Trustees. 104 degree candidates.

Fayette Campus, 10:30 a.m., Auditorium. An honor graduate will be the speaker. 75 degree candidates.

University Park Campus, 10:30 a.m., Beaver Stadium. Speaker will be Dr. Frank Stanton, chairman, American National Red Cross, and former president and vice-chairman, Columbia Broadcasting system. More than 4,900 degree candidates, including 4,448 baccalaureate degrees; 334 masters degrees; 93 doctorates; and 32 associate degrees.

Delaware County Campus, 11 a.m., outdoors on campus. State Rep. Matthew Ryan will speak. 74 degree candidates.

Mont Alto Campus, 11 a.m., outdoors on campus. Speaker will be former Ambassador John M. Steeves, member of the Advisory Board of the Center for Strategic and International Studies, Georgetown University. 100 degree candidates.

Schuylkill Campus, 2 p.m., Physical Education Bldg. Speaker will be Dr. Michael Cardamone, associate professor of physics and chairman of the Schuylkill Campus Faculty Association. 60 degree candidates.

Wilkes-Barre Campus, 2 p.m., outdoors on campus. Speaker to be announced. 100 degree candidates.

Sunday, May 29:

Beaver Campus, 2 p.m., Brodhead Cultural Center. No speaker. 81 degree candidates.

New Kensington Campus, 2 p.m., Little Theatre auditorium. Dr. Stanley F. Paulson, dean of the College of the Liberal Arts, will speak. 81 degree candidates.

Sunday, June 5:

Shenango Valley Campus, 2 p.m., Auditorium. U.S. Rep. Marc Lincoln Marks will speak on "Human Rights — How Deep Is Our Commitment?" 65 degree candidates.

Saturday, June 11:

Capitol Campus, 2 p.m., Hershey Community Theatre. Speaker will be Edward R. Book, chairman of the board and president of Herco, Inc., and member of the University Board of Trustees. Approximately 480 degree candidates.

Inn food service curtailed on May 30

Breakfast will be the only meal served at the Nittany Lion Inn on Memorial Day, Monday, May 30.

Council opens meetings to press, endorses international student report

President Oswald, meeting with University Council on May 12, indicated his approval of the biennial review Council forwarded to him after its previous meeting, and participated in a discussion of a draft report on aspects of the environment for international students.

The review, prepared by a sub-committee chaired by Dr. John L. Lumley, Evan Pugh Professor of aerospace engineering, provides for invitations to members of the press to attend the meetings of the Council, which is an advisory group to the President.

The review also recommended that fourth term University Park students be eligible for nomination for appointment to membership, a change that would enable students to serve more than one term on the Council. It was pointed out that students in the past who have served more than one term have proved most effective as members. At present, seventh term standing is required of nominees.

Since Council was created by the Board of Trustees, President Oswald said he would forward the recommendations to the Board and also have the Board clarify wording establishing the Council to indicate faculty members from "campuses other than University Park" rather than "from the Commonwealth Campuses" are eligible so that faculty at the Hershey Medical Center, Capitol Campus, and Behrend College might be considered for membership.

Council endorsed a report on international students, prepared by a sub-committee headed by Dr. Howard B. Palmer, professor of energy science and associate dean of the Graduate School. It was agreed that after some minor changes, the report will be reviewed for final approval and forwarded to the President, who had asked the Council last January to study the matter.

Among the recommendations in the report is a proposal for an International House to be built by 1990. Following a trend at other universities, the report also proposes a full-time director of international student affairs and suggests the Hetzel Union Bldg. be considered as the location for the office to give more visibility to the international student affairs program and also bring the location to the center of the campus and student activity.

The proposal recommends consolidation of information pertaining to international students into a single booklet; several alternatives to present food service arrangements, including, as a short-term improvement, an international cafeteria; and the availability of more information on health care services. Other recommendations pertain to language skills and the need for development of a more clearly defined philosophy regarding international students.

Dr. James B. Bartoo, interim provost, as chairman of the Council, presented a letter from Mary R. Musca, president of the Undergraduate Student Government Academic Assembly, pertaining to more student involvement in academic affairs of the University. He said the matter will be placed on the agenda for the first meeting of the Council during the fall term, noting that Council does not plan to meet during the summer term.



Some 35,000 people attended the recent three-day ARTS '77 festival at the Altoona Campus. President Oswald cut the opening ribbon. From left: Advisory Board chairman Ed Brown; Dean Walter Walters, Arts and Architecture; Campus director Carson Veach; Joseph Stevens, president, Blair County Arts Foundation; associate professor Kenneth Kuhn, ARTS '77 chairman.

Job policy

(Continued from page 1)

school. (There is an exception to this when the chief administrator of the school district determines that an individual under age 18 has attained his or her academic potential and declares that a high school graduation is not required.)

By University policy (PS-2, Employment of Minors) a person under 16 years of age is **not** permitted to work for the University under any circumstances. In addition, by law, no minor age 16 or 17 can be employed by the University, even for one hour, unless he or she obtains a certificate of employment (commonly called working papers).

The certificate of employment is issued by the public school authority in which the minor resides, and must be on file in the University Employment Office **before** a minor begins to work. (Certain special arrangements for obtaining certificates can be made for minors who attended school a long distance from the area in which they are being employed.)

Certificate of employment is issued for the specific job for which the minor is employed. A minor cannot be transferred from one job to another unless a new certificate of employment is obtained. Also, the Employment Division must be notified when the minor terminates employment so the certificate can be returned to the issuing school district as required by law.

Where there is any doubt about the age of an applicant for a position, the applicant must submit a proof of age card This card is also issued by the minor's school district. Do not request a birth certificate. Birth certificates may indicate nationality and cause equal employment opportunity concerns.

Anyone contemplating employing a minor should refer to policy PS-2. Any questions concerning the policy or employment certificate procedure should be directed to the Employment Division, 865-1387 (Network number 475-1387).

From the Penn State Press

The Pennsylvania State University Press has been the recipient of an unusually high number of awards and otations during the 1976-77 year. Among others, they include:

•*Aubrey Beardsley: Imp of the Perverse,* by Dr. Stanley Weintraub, research professor of English and director of the Institute for the Arts and Humanistic Studies, has been selected by the American Association of University Professors as one of the 25 best designed and produced books in the country for 1976. The book was designed by Glenn Ruby and Chris Kentera, of the Press.

•*Early Eighteenth-Century Sculpture in Rome,* by Prof. Robert Enggass of the University of Kansas and formerly of Penn State, has been awarded the distinguished Daria Borghese Prize of Rome, one of the most cherished awards in the field of art history. The book is in two volumes.

•*American Liberal Disillusionment,* by Prof. Stuart I. Rochester of Loyola College in Baltimore, Md., was awarded the Phi Alpha Theta Manuscript Award as an outstanding contribution to American political and social history.

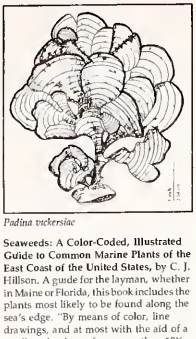
•*Johann Strauss,* by Egon Gartenberg, formerly an associate professor of music at Mont Alto, earned the Great Cross for Meritorious Service from the government of Austria for the author.

•*Was Pythagoras Chinese: An Examination of Right Triangle Theory in Ancient China,* by Dr. Frank Swetz, associate professor of mathematics at Capitol Campus, and T. I. Kao (now deceased), honored by the National Council of Teachers of Mathematics for "Contribution to excellence in mathematics education."

•*Pennsylvania 1776,* edited by Dr. Robert A. Secor, associate professor of English, continues to win awards. The latest is its recognition by the Pennsylvania Federation of Women's Clubs.

•*Be Glad Then America,* the libretto for the Bicentennial opera commissioned of composer John La Montaine, received a Citation Award in the 1976 Bicentennial Recognition Program sponsored by the Council for Advancement and Support of Education. The award was for excellence in design and production.

•*Freedom in America,* edited by Prof. Norman Graebner of the University of Virginia, has been selected by the United States Information Agency for special recognition and distribution through its agencies around the world. Editions of the book will be published in French, Spanish and Portuguese for wide distribution in underdeveloped countries.



Padina vickersiae

Seaweeds: A Color-Coded, Illustrated Guide to Common Marine Plants of the East Coast of the United States, by C. J. Hillson. A gude for the layman, whether in Maine or Florida, this book includes the plants most likely to be found along the sea's edge. "By means of color, line drawings, and at most with the aid of a small pocket lens of no more than 10X magnification, the identification of the plant in hand, if at all common, should be possible," the author wntes. Seventy-nine plants are pictured, as well as a few marine animals likely to be mistaken for plants. The author is a professor of botany at the University.

Hua-yen Buddhism: The Jewel Net of Indra, by Francis H. Cook. Hua-yen is regarded as the highest form of Buddhism by most modern Japanese and Chinese scholars. This volume explores its philosophical system in great detail. The Chinese form of Hua-yen, Flower Ornament, developed in the late seventh and early eighth centuries as an innovative interpretation of Indian Buddhist doctrines in the light of native Chinese presuppositions, chiefly Taoist. The author teaches religious studies at UC-Riverside.

Funding Sources

For further information, call 865-1372

(271-1) Deadlines for the FY1978 Architecture and Environmental Arts Program of the National Endowment for the Arts are June 14, Oct. 14, and Feb. 2. Six grant categories are funded, including two fellowships. The overall program is concerned with excellence in design. (Ref NEA A + EA Guidelines)

Elsewhere in Academe

Voluntary giving rises

After a recession-linked decline, voluntary giving to higher education increased by 13.7 percent in 1975-76. Harvard led the list with gifts of $59,026,000, followed by the University of California with $57,481,000. Other larger colleges and institutions in the top 30, in order, were: Stanford, Yale, Penn, Columbia, Minnesota, Case Western Reserve, Chicago, Cornell, USC, MIT, Princeton, Illinois, NYU, Hopkins, Dartmouth, Northwestern, Ohio State, Tulane, Notre Dame, Cincinnati, Brown, Carnegie-Mellon, Iowa, Lehigh, Loyola, Hampton Institute, Oberlin, and Rutgers.

Judge limits Title IX

A U.S. District Court judge in Detroit has ruled that H.E.W. overstepped its authority by issuing regulations applying the sex discrimination coverage of Title IX to job holders. The law, Judge John Feikens said, was designed to ban sex bias only against students, not employees. H.E.W. is likely to appeal the decision.

Faculty salaries up 4.9 percent

Figures compiled by the National Center for Education Statistics show that faculty salaries increased an average of 4.9 percent this academic year, the smallest rate of increase since 1972-73's 4.1 percent. Data were compiled from a survey of more than 300,000 full-time faculty, but did not include medical school staff or instructors paid for other than a nine-month period. Faculty members at public colleges and universities received 4.7 percent more in wages this year than last; those at private schools had a 5.6 percent pay rise.Salaries for women faculty members increased at a slightly greater rate than those for men — 5.2 percent for women, 5.1 percent for men. Full professors earned an average of $23,597 in 1976-77, the survey reported. Women professors earned an average of $21,512, a 6.2 percent increase, while the mean salary for men was $23,828, a 4.2 percent increase.

Police Services offers advice to vacationers

Police Services has some words of advice for summer vacationers, noting that while home burglaries in the State College area tend to occur most frequently during the fall, no season is without such incidents. The following precautions are recommended; and most of then would apply to faculty and staff at all Penn State Campuses:

1. Cancel deliveries of newspapers, dairy products, and similar daily or periodic deliveries. An accumulation of such items at your door is a prime indication that your home is vacant.

2. Advise your neighbors you will be away and arrange to have them check your home periodically. (You may also be able to arrange with them to have your lawn cut as it is needed.) They should report unusual activities or persons around your home to the local police department.

3. Arrange to have interior lighting and possibly exterior lighting turned on and off at normal intervals as is customary in your daily living. Inexpensive timing devices accomplish this nicely.

4. Recently, the telephone has been used as a survey instrument by burglars You may wish to contact the telephone company and arrange for "call forwarding" in which the incoming telephone calls to your home will be answered at another number, perhaps by a neighbor. (Call forwarding is only available in the State College exchange — 234, 237, and 238.) The answering party should not indicate to a caller that you are away, rather that they will take a message for you to return the call.

5. Notify the local police agency (in State College, College Township, Ferguson Township, Patton Township, and Harris Township, call 234-0234) and request they make a vacation home check. While there is some dispute over whether or not this is advertising to the community that you are on vacation, the fact remains that during this past year no home on the vacation check list has been burglarized.

6. If you have a safety deposit box, place jewelry and other valuable items in it. This may also be an appropriate time to establish a "security closet" in your home. To accomplish this, pick a closet that has a hinged door and is of adequate size. Line the closet with ⅝" plywood (do not omit the ceiling). Replace the normal hollow core door with one which has a solid core. Place a dead-bolt lock on the door and ensure that the dead-bolt goes well into the casing and/or frame. Don't forget to "pin" the hinges so that the hinge pins cannot be removed and the door opened from the hinge side. This area should provide adequate storage for such items as silver, stereo systems, typewriters, portable television sets, and similar high value and easily removed items. An area such as a "security closet" also provides an everyday safe location for storage of hazardous items such as firearms. As with any attempt to burglar-proof one's home, the "security closet" is a time delay for burglars. As time is of the essense to the perpetrator, the additional time that is necessary to gain access to a closet and the noise it creates is likely to discourage him.

Other precautions would include not advising the press of your departure, rather announcing it after your return; and utilizing quality locks on exterior doors (especially patio doors) and windows in the home.

Anyone wishing additional information on home security precautions should feel free to contact Police Services or their local police department.

WPSX Highlights

The Puerto Rican community of Springfield, Mass., is the subject of "These Faces I've Seen" on **Americana** Friday, May 20, at 9:30 p.m. The half-hour documentary focuses on four individuals who speak for themselves: a family man who is proud of his children and grandchildren; a woman who is angry with the stereotyped way that others look at her community; a youth counselor who worked his way back from reform school; and a welfare mother.

Startling scientific breakthroughs that are leading physicists and astrophysicists toward a better understanding of the laws of creation are explained on **The Key to the Universe,** a two-hour special report to be seen Tuesday, May 24, at 8 p.m. The program reports on the latest theories of high-energy physicists and astrophysicists about links between the macro-world and the micro-world and investigates such phenomena as neutrinos, quarks, "strange" particles, and "gauge" theories.

The variety of whitewater sport on Pennsylvania's rivers and streams is surveyed on "Whitewater, P.A." a **Talkabout** special, Wednesday, May 25, at 7:30 p.m. The half-hour program includes scenes filmed on Pine Creek, Skinner's Falls on the Delaware River, and Cucumber Rapids on the Youghiogheny River, as it explores whitewater rafting, canoeing, kayaking. The program takes viewers from beginning lessons to national championship slalom racing.

In 1974, Inez Garcia was found guilty of murdering the accomplice of a man whom she accused of raping her. Her explosive trial is dramatized on **The People vs. Inez Garcia,** an Emmy Award-winning public television special, Wednesday, May 25, at 10 p.m.

Staff Vacancies

The following vacances for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 875-1387). Applications for these staff vacances will be received until 5 p.m., **May 26. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

As provided by the procedures for control of new hiring and promotion, staff vacancies will be announced only when granted an exception by the cognizant senior University officer.

MANAGER, GRANTS AND CONTRACTS, CONTROLLER'S OFFICE — University Park
Responsible to the Director of Accounting for supervising the operational aspects of the research contract office and for formulation, methods and procedures for efficient operation of that office Bachelor's degree or equivalent in accounting with 4 to 7 years of accounting experience in an educational institution. Should also be familiar with computer or data processing systems

ASSISTANT DIRECTOR, MBA PROGRAM, BUSINESS ADMINISTRATION — University Park
Responsible to the Director of the MBA Program for the recruiting and admission of MBA candidates as well as coordination and administration of the MBA Program. MBA degree or equivalent, plus one year directly related experience Knowledge of and experience with an "Integrated MBA" Program desirable.

News in brief

(Continued from page 1)

for the Hazleton Educational Council; Ronald C. Drum, student government president, for the student body; and instructor Joseph E. Boyle for the faculty and staff. William J. David, Campus director, will present the opening address.

The building contains one main gym for basketball and a smaller gym to house such sports as wrestling. There are also an Olympic size pool, six bowling alleys, exercise and activities rooms, faculty offices and classroom space.

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Penn State Intercom



From left: Dr. Saperstein, Dr. Hovanec and Dr. Daubert.

Senate elects new officers

Dr. Lee W. Saperstein, associate professor of mining engineering and head of the Mining Section, has been named chairman-elect of the University Faculty Senate for the 1977-78 year, it was announced at Tuesday's Senate meeting.

Dr. Saperstein succeeds Dr. Thomas E. Daubert, professor of chemical engineering, who assumes the Senate leadership, replacing retiring chairman Dr. John J. Coyle Jr., professor of business administration and head of the Department of Business Logistics.

In other results of voting for Senate leadership posts, which took place earlier this month, Dr. Evelyn A. Hovanec was named secretary of the Senate for the 1977-78 year. Dr. Hovanec is an associate professor of English at Fayette Campus.

Dr. Daubert, who received his B.S., M.S. and Ph.D. degrees in chemical engineering at the University, has served on the Penn State faculty since 1961. He has been active in the University Faculty Senate since 1972 and served as chairman of several committees before being named chairman-elect of the Senate last year.

Dr. Saperstein received a B.S. in mining engineering in 1964 from the Montana College of Mineral Science and Technology. He was awarded a Rhodes Scholarship to Queens College, Oxford University, where he received his Ph.D. in 1967, the same year he came to Penn State. He served as secretary of the Faculty Senate during the 1976-77 year.

Dr. Hovanec, who came to Penn State in 1966, earned a B.Ed. in social studies and English at Duquesne, and an M.A. and Ph.D at the University of Pittsburgh.

News in Brief

Contract clause discussed

The University and Teamsters Local Union No. 8 have met three times to discuss the reopener clause in the contract agreed to by both parties in 1976.

Under the terms of that contract, pay increases and some items related to benefits are subject to renegotiation for the second year of the contract, July 1, 1977, to June 30, 1978.

Additional meetings have been scheduled this month, and the Union will hold a membership meeting the night of June 30 to discuss the University's offer.

Approximately 2,650 technical service employees, including 700 at locations other than University Park, are covered by the contract.

Chatham honors Eddys

Chatham College awarded its highest honor, the degree of Doctor of Humane Letters, to its president, Dr. Edward D. Eddy, and his wife, Mary, at commencement exercises May 27. Dr. Eddy, who will become provost of Penn State on Aug. 1, has been president of Chatham for 17 years and is nationally known for his innovative combining of liberal arts and pre-professional programs. Mrs. Eddy is founder and chairman of the board of Pittsburgh's Reading Is Fundamental Program and is active on the boards of a number of Pittsburgh's social service and cultural organizations.

Faculty, staff invited

The College of Agriculture will sponsor a seminar and exhibit on instructional hardware and software on Tuesday, June 14, beginning at 1:30 p.m. in Room 301 Agricultural Administration Bldg. Faculty and staff members of all colleges are invited to attend, according to Dr. Jerome K. Pasto, associate dean for resident education in the College.

Speakers will be Dr. J. Cordell Hatch, coordinator, Extension Radio TV-AV Services; Dr. Donald W. Johnson, director of the University Division of Instructional Services; and Robert L. Allen, director of AV Services. Following brief presentations, guests will have a chance to view several exhibits of equipment and techniques.

Science lectureship created

A biennial lecture in scientific communication has been established in the College of Science in memory of the late A. Dixon Johnson, science writer and director of public information at Penn State from 1960 until his death in 1974.

Designated as the A. Dixon Johnson Memorial Lectureship in Scientific Communication, it will be supported by a fund established by the family and friends of Mr. Johnson as well as additional

(Continued on page 8)

Promotions announced

The following promotions, effective July 1, have been announced by the University:

TO PRDFESSOR:

Robert A. Bartkowiak, engineering, Allentown
Dr. Allen W. Benton, entomology
Dr. Jean-Marc Bollag, soil microbiology
Dr. Charles O. Crawford, rural sociology
Dr. Alan B. Draper, industrial engineering
James P. Gallagher, animal science extension
Dr. Trond Gilberg, political science
Dr. Robert E. Ginsberg, philosophy, Delaware County
Dr. Anton Glaser, mathematics, Ogontz
Dr. Ronald Glaser, microbiology, Hershey
Dr. Arthur H. Hayes Jr., medicine and pharmacology and chief, Pharmacology Division, Hershey
Dr. Robert J. Heinsohn, mechanical engineering
Dr. Richard R. Hill Jr., plant breeding (adjunct)
Dr. Alan E. Kazdin, psychology
Dr. Gary A. Kochenberger, management science
Dr. David C. Kradel, veterinary science
Edward Leos, journalism
Dr. Harold L. Lovell, mineral engineering
Dr. Stuart H. Mann, operations research
Dr. J. David Martsolf, microchmatology
Dr. Gordon G. Moore, chemistry, Ogontz
Dr. Rodrigue Mortel, obstetrics and gynecology, Hershey
Dr. Joseph Paternost, Slavic languages
Dr. Anthony E. Pegg, physiology, Hershey
Dr. William S. Pierce, surgery, Hershey
Dr. Ronald A. Pursell, botany
Dr. Forrest J. Remick, nuclear engineering
Dr. Marvin L. Risius, plant breeding
Dr. Walter B. Severs, pharmacology, Hershey
Dr. Paul R. Shellenberger, dairy science
Dr. John D. Swisher, education
Dr. Paul W. Todd, biophysics
Dr. William Toombs, education
Dr. Kenneth P. Wilkinson, rural sociology
Eleanor Zygler, art

TO ASSOCIATE PROFESSDR

Dr. Arthur B. Abt, pathology, Hershey
Dr. Robert G. Anthony, wildlife management
Dr. Joseph D. Babb, medicine, Hershey
A. Mark Battaglia, landscape architecture
Dr. Robert C. Black, biology, Delaware County
Dr. Richard J. Bord, sociology
Dr. Robert A. Byers, entomology (adjunct)
Dr. Erskine H. Cash, animal science
Dr. Anthony R. D'Augelli, human development
Dr. Roland R. Daniels, environmental horticulture
Dr. Laurence M. Demers, pathology, Hershey
Dr. James J. Deploey, biology, York
Dr. John H. Dossett, pediatrics; chief of infectious diseases, Hershey
Manuel Duque, theatre arts
Dr. William L. Emkey, physics, Allentown
Dr. Ernest E. Enscore Jr., industrial engineering
Dr. Lawrence A. Ezard, engineering, Capitol
Dr. Frederick G. Ferguson, vetennary science; director of lab. animal research
Dr. Douglas L. Garwood, plant breeding
Dr. Laszlo Geder, microbiology, Hershey
Dr. Theodora R. Graham, humanities and education, Capitol
Richard L. Grube, architecture
Dr. William A. Gudelunas Jr., history, Schuylkill
Dr. Jefferson S. Hartzler, mathematics, Capitol
Benjamin N. Henszey, business law
Marc Hessel, art
Dr. James H. Hogg, education
Dr. John F. Houlihan, physics, Shenango Valley
David L. Huggins, engineering, New Kensington
Dr. Howard C. Hughes Jr., comparative medicine; research associate in surgery, Hershey
Dr. Donald B. Johnson, computer science
Dr. Ronald W. Johnson, political science
Dr. Alexander Kalenak, surgery, Hershey
Dr. Michael T. Kiernan, English
Gerald Lang, art
Dr. David M. Leaman, medicine, Hershey
Donald W. Leslie, landscape architecture
Dr. Kenneth M. Lusht, insurance and real estate
Sharp M. McElwain, engineering, Beaver
Dr. Moylan C. Mills, English and humanities, Ogontz
Dr. Robert B. Mitchell, biology
Dr. Roy E. Myers, mathematics, New Kensington
Dr. Gary G. Nicholas, surgery, Hershey
Dr. Robert E. O'Connor, political science
Dr. Robert W. Ott, art education
Dr. Robert B. Page, surgery and anatomy, Hershey
Dr. Douglas J. Pederson, speech communication
Dr. Daniel W. Pfaff, journalism
Dr. Robert E. Pierce, engineering, Behrend College
Dr. K. K. Sivasankara Pillay, nuclear engineering
Dr. Charles S. Prebish, religious studies
Dr. Lee H. Radebaugh, business administration
Dr. Wesley Rhodes, physics, Schuylkill
Dr. Richard Rosenberg, economics
Jean Sabatine, theatre arts
Dr. John M. Samuels, industrial engineering
Dr. Barbara M. Shannon, nutrition
Dr. R. Lance Shotland, psychology
Dr. David A. Sibley, mathematics
Dr. Stephen G. Simpson, mathematics
Dr. James E. Skok, public administration, Capitol
Dr. James F. Smith Jr., English, Ogontz
Dr. Graham B. Spanier, human development
Dr. Alan J. Stenger, business logistics
Dr. Athleen J. Stere, biology, Altoona
Dr. James R. Sweeney, history
Dr. Yoshimitsu Takei, education and sociology
Dr. Edward S. J. Tomezsko chemistry, Delaware County
Dr. Javad Towfighi, pathology, Hershey
Dr. Joseph J. Trautlein, medicine, Hershey

(Continued on page 3)

Faculty Notes

Dr. Guy E. Rindone, professor and chairman of the ceramic science section in the Department of Material Sciences, has been installed as a vice president of the American Ceramic Society for a one-year term.

Dr. Harry H. West, associate professor of civil engineering, has been named the recipient of the Western Electric Fund Award for excellence in instruction of engineering students. He was given a certificate and a check for $1,000 at the spring meeting of the Middle Atlantic Section of the American Society for Engineering Education, held last month at Penn State.

Dr. West is a 1975 recipient of an Excellence-in-Teaching Award sponsored by the Penn State Engineering Society, the alumni group of the College of Engineering. Since joining the faculty in 1958, Dr. West has taught courses in structural analysis and design on both undergraduate and graduate levels. A graduate of the University with B.S. and M.S. degrees in civil engineering, he received his Ph.D. from the University of Illinois.

Dr. John F. Houlihan, associate professor of physics, at Shenango Valley, and **Dr. David P. Madacsi,** of the University of Connecticut and a former member of the Shenango Valley faculty, were awarded the $1,000 third prize for their joint entry, "Energy in the Coming Century," in an essay contest sponsored by the United States Citizen's Congress, a non-profit, non-partisan educational foundation. The subject of the contest, "Perspectives for the Third Century," was designed to stimulate broad citizen participation in America's search for new and vital ideas to meet current and future problems. Drs. Houlihan and Madacsi accepted their prize at an Awards Dinner on May 23, at the Dirksen Office Bldg. of the U.S. Senate. Co-chairmen of the dinner were former Agriculture Secretary Earl L. Butz and Nebraska's senior Senator Carl T. Curtis.

Dr. L. E. Casida Jr., professor of microbiology, has been elected to fellowship in the American Academy of Microbiology. Dr. Casida is internationally known as the discoverer of several types of bacteria and as the developer of two widely accepted methods of sample preparation for the electron microscope.

Dr. Francis M. Dwyer Jr., senior research associate of education and coordinator of the Office of Instructional Evaluations, was elected president of the International Visual Literacy Association at the group's recent annual conference held in Iowa.

Dr. Harlan E. Hoffa, head of the Division of Art and Music Education, is one of six Wayne State University alumni to receive Arts Achievements Awards. The awards are presented to alumni who have made significant contributions to the fields of art, art education, dance, literature, music and theatre. Dr. Hoffa has served as professor of art education and head of the Department of Art Education since 1970. He was named head of the new division last year. He holds B.S. and M.Ed. degrees in art education from Wayne State and a D.Ed. from Penn State.

Lynn Martin Haskin, assistant professor of journalism at Delaware County, has been selected by President Carter, through the Office of the Attorney General, to serve on a panel of the United States Circuit Judge Nominating Commission. The purpose of the commission is to seek out and screen potential nominees for vacancies on the United States Courts of Appeals.



Dr. Helen A. Guthrie, professor of nutrition, is marking her 25th year at the University. She joined the faculty as an instructor in 1949, after working as a research assistant for General Mills in Minneapolis.

Prof. Guthrie received a B.S. from the University of Western Ontario in home economics, an M.S. in nutrition and biochemistry from Michigan State University, and a Ph.D. from the University of Hawaii in physiology. She has taught at the University of Connecticut and the University of the Philippines and was a senior fellow at the East-West Center in Honolulu.

Dr. Guthrie's research has centered about the health implications of nutritional practices in various age groups and different cultures. She has published numerous articles and has written programmed and traditional texts on nutrition. She has also made a film slide series and, in collaboration with George M. Guthrie, produced a film, "Big Problems for Little People."

From 1974-1977 she served on the Food and Nutrition Board of the National Academy of Sciences' National Research Council and from 1975-77 on the National Nutrition Consortium. She is on the advisory board of the Pennsylvania Dairy Council, is president-elect of the Society of Nutrition Education and a member of the board of directors of Nabisco, Inc. Formerly Nutrition Program director at the University, Dr. Guthrie is a long-time member of the University Faculty Senate; she was secretary of that body in 1972-73 and was a member of University Council from 1973-75. She was recently elected secretary of the Penn State Faculty Club.



Emil J. Burcik, professor of petroleum and natural gas engineering, recently received a 25-year service award from the University. Before joining the faculty, Prof. Burcik was a member of the faculty at the University of Oklahoma and also served as a visiting professor at the University of Zulia in Venezuela, and the University of Trondheim in Norway.

After receiving his Ph.D. from the California Institute of Technology, Dr. Burcik worked at Proctor & Gamble Corp. and the U.S. Bureau of Mines.

While at the University, Prof. Burcik has taught and done research on reservoir engineering, particularly on the fundamentals of reservoir rock and fluid properties. He is the author of numerous technical publications, in addition to the textbook, *Properties of Petroleum Reservoir Fluids.*

James V. Frick, associate professor of speech pathology, recently received a 25-year service award from the University. Prof. Frick earned his B.S. in commerce, and his M.A. and Ph.D. in speech pathology at the State University of Iowa.

During his years at Penn State, he has done work in stuttering and behavior therapy and special education as well as conducting speech and hearing workshops. His teaching duties have included courses in speech and hearing disorders, clinical practice and management, speech pathology, and language disorders in children and adults.

In addition to his work at the University, he has served as a consultant to the Easter Seal Treatment Clinics, the Veterans Administration, and the Pennsylvania Bureau of Corrections, from whom he received a certificate of achievement. He is a member of the board of directors and vice president of the Centre County Society for Crippled Children and Adults.

Prof. Frick is the author of a number of articles on stuttering, voice defects and speech correction. A Fellow of the American Speech and Hearing Association, he is certified by that organization as a clinician in speech pathology.



Charles E. Sohl Jr., assistant professor of engineering at Ogontz, has completed 25 years of service to the University. Mr. Sohl came to Ogontz in 1952 but, prior to that date, he served for a year as acting head of York Technical Institute — now the York Campus — and taught at the Allentown Center and the former Swarthmore Center during 1950-51.

Mr. Sohl is group leader of the associate degree program in mechanical engineering technology. He has been faculty adviser for the student chapter of the Society of Manufacturing Engineers and for various other student organizations. In an administrative capacity, he has served as scheduling officer and played an important role in facilities planning and development at the Campus.

Appointments

William R. Beltz to assistant professor of surgery, Hershey. B.S., U. of Missouri; M.D., U. of Illinois, Chicago. Intern, Duke U. Medical Center; assistant resident, U. of Iowa Hospitals, chief resident and instructor, Duke.

Jesse F. Core to adjunct professor of mineral engineering. B.S., Penn State. Formerly vice-president, U.S. Steel Corp.

Martin J. O'Neill to assistant professor of surgery, Hershey. B.A., Yale U.; M.D., Indiana U. Medical School, Indianapolis. Surgery residency, Indiana U. Medical Center and Hershey; research fellow, Cardiovascular Research Institute, San Francisco.

Col. Robert S. Rose to professor of military science. B.A., political science, U. of Pittsburgh; M.S., public administration, U. of Oklahoma.



Monty L. Christiansen, left, received Lindback teaching award at commencement exercises on May 28 from President Oswald and Dr. James B. Bartoo, interim provost.

Monty L. Christiansen, associate professor of recreation and parks and of landscape architecture, received this year's Christian R. and Mary F. Lindback Award for Distinguished Teaching. The award, presented at spring term commencement, consists of a plaque and a check for $1,000.

In nominating Mr. Christiansen for the award, students and faculty cited him specially for "his ability to relate theoretical material to practical application and allowing students to learn through class projects how this relationship occurs."

Prior to his appointment to the Penn State faculty in 1969 as an assistant professor, Mr. Christiansen was assistant professor of urban planning and landscape architecture at Michigan State University. Earlier he had been the chief landscape architect for St. Louis County, Mo., Department of Parks and Recreation. He began his teaching career as a graduate instructor of landscape architecture at Iowa State University, serving from 1964 to 1966.

A native of Harlan, Iowa, Mr. Christiansen is a graduate of Iowa State University, where he received his B.S. in landscape architecture and also an M.L.A. degree.

Mr. Christiansen serves on the national board of directors of the National Society of Park Resources.

He is the author of the book, *Park Planning Handbook. Fundamentals of Physical Planning for Parks and Recreation Areas,* published earlier this year by John Wiley and Sons, as well as of a number of technical papers.

Elizabeth A. Hanley, assistant professor of physical education, is one of six Americans selected to attend the 17th annual session of the International Olympic Academy this summer in Greece. She will represent the United States Gymnastic Federation at the July 8-24 sessions at the Ancient Olympia, 200 miles west of Athens, near the site of the original Olympic Games. Representatives from 40 to 50 different countries, accredited by their national Olympic committees, will attend the sessions.

Two College of Medicine faculty members have recently been chosen for national posts in professional organizations. **Dr. Robert Zelis,** chief of cardiology and professor of medicine, has assumed the presidency of the American Federation for Clinical Research (AFCR), and **Dr. William A. Weidner,** professor and chairman of radiology, has been named a member of the newly formed Section on Medical Schools of the American Medical Association (AMA) House of Delegates. The AFCR is the largest such organization in the United States and is comprised of more than 8,700 medical scientists interested in promoting and encouraging original research in clinical and laboratory medicine.

Dr. Gerd M. Rosenblatt, professor of chemistry, presented a recent series of invited talks. He spoke at the 11th Mid-Atlantic Regional Meeting of the American Chemical Society in Newark, Del; the chemistry seminar at the University of Illinois, Chicago Circle; the 7th Symposium on Thermophysical Properties, National Bureau of Standards, Gaithersburg, Md.; the Energy Research and Development Administration Workshop on Thermodynamics and Electrochemistry in Argonne, Ill.; and the 25th Annual Conference on Mass Spectrometry and Allied Topics, Washington, D. C.

Dr. Donald J. Willower, professor and acting head of the Division of Education Policy Studies, presented an invited paper at the University of Rochester. His paper, "Some Issues in Research on School Organizations," was given at a seminar on research in educational administration sponsored by the University Council for Educational Administration and the University of Rochester.

Dr. Philip S. Skell, Evan Pugh professor of chemistry, recently was a Plenary Lecturer at two scientific organizations' meetings. In April, he spoke on "The Use of Metal Atoms in Organometallic Syntheses" at the Middle Atlantic meeting of the American Chemical Society. In May, his talk, "Primary Product Orientation in the Electrode's Field," was presented at the International Electrochemical Society meeting in Philadelphia.

Dr. C. Dale Therrien, associate professor of biology, conducted a workshop at the University of Wahington last month on Quantitative Cytochemistry of Nuclear Deoxyribonclео- proteins and Ribonucleoproteins.

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Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

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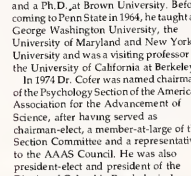
Retirements



With the rank of professor emeritus of psychology, **Dr. Charles N. Cofer,** a specialist in the study of human memory, retired June 1. Dr. Cofer is well known for his research on the roles of organization and language in human memory, his work in psycholinguistics, and his study of motivation. He is the author of a book, *Motivation and Emotion,* and the co-author of *Motivation: Theory and Research.*

A 1936 graduate of Southeast Missouri State College, he went on to take a master's degree at the University of Iowa and a Ph.D. at Brown University. Before coming to Penn State in 1964, he taught at George Washington University, the University of Maryland and New York University and was a visiting professor at the University of California at Berkeley.

In 1974 Dr. Cofer was named chairman of the Psychology Section of the American Association for the Advancement of Science, after having served as chairman-elect, a member-at-large of the Section Committee and a representative to the AAAS Council. He was also president-elect and president of the District of Columbia Psychological Association and later held the same offices in the Maryland Psychological Association.



Dr. Laurent LeSage, an authority on 19th and 20th century French literature, will retire July 1 with the rank of professor emeritus of Romance languages. He is the author of ten books and has a new book coming out next fall through The Pean State Press entitled *The Rhumb Line of Symbolism, French Symbolist Poetry from Sainte-Beuve to Valery.* In addition, he is working on a book in French based on the letters of dramatist and novelist Jean Giraudoux, the subject of much of his writing.

For 20 years Dr. LeSage was the regular reviewer of French books for the Saturday Review of Literature. He has written extensively for academic journals and encyclopedias, and has been a frequent contributor to the New York Times Book Review.

The Wisconsin native earned his B.A., M.A., and Ph.D. degrees from the University of Illinois and also did graduate work at the Sorbonne, the University of Colorado, the University of California, and the University of Mexico. He is a former Senior Fulbright Research Fellow in France and a Fellow of the Institute for the Arts and Humanistic Studies at Penn State.

Bookshelf

Dr. James Eisenstein, associate professor of political science, and Prof. Herbert Jacob of Northwestern University are the co-authors of a book published this spring by Little, Brown and Company. Entitled *Felony Justice, An Organizational Analysis of Criminal Courts,* it is an analysis of information Drs. Eisenstein and Jacob gathered in courtrooms in Baltimore, Detroit and Chicago in 1972 and 1973.

Unlike many studies of trial courts or the criminal process, this one does not focus on a single participant. Instead, as the authors point out in their introduction, the book begins with the premise that what judges, prosecutors, defense counsels, and others do depends heavily on how they interact with one another. Although the book is based on felony dispositions in three specific cities, the authors borrow from organizational theory to develop a more general understanding of how courtrooms do their work.

Dr. E. Willard Miller, professor of geography, is the author of a new book, *Manufacturing: A Study of Industrial Location.* Published by the Penn State Press, the book attempts to analyze and interpret the diverse forces that shape industrial patterns.

Dr. Miller, author of ten other books and more than 80 professional articles, is associate dean for resident instruction in the College of Earth and Mineral Sciences.

Dr. Robert J. Maddox, professor of American history, is the editor of the fourth edition of **Readings in American History, Vol. I,** published this spring by the Dushkin Publishing Group, Inc., of Guilford, Conn

Dr. Ralph T. Heimer, professor of education, and **Dr. Cecil R. Trueblood,** associate professor of education, are the authors of a text, *Strategies for Teaching Children Mathematics.* The book was published by Addison-Wesley and is designed for use in Math Ed 420, a mathematics methods course for elementary teachers.

Three faculty members in the College of Human Development are authors of a book, *Intensive Care Nursing: Continuing Education Review,* published by Medical Examination Publishing Co., Inc. They are **Dr. Janet A. Williamson,** head of the Department of Nursing; and **Bonnie L. Metzger** and **Barbara A. Therrien,** assistant professors of nursing. A continuing education review developed for nurses caring for acutely ill patients, the book covers eight major areas ranging from the burned patient and the patient with a cardiac problem to the psychological responses to acute illness and intensive care units.

Obituaries

Dr. Erwin W. Mueller, 65, Evan Pugh professor emeritus of physics and inventor of the field ion microscope, died May 17.

Dr. Mueller retired from Penn State last year, after serving on the faculty for 24 years. In 1975, he was elected to the National Academy of Sciences. That year he was named also to the National Academy of Engineering.

Dr. Mueller was internationally know for his discoveries of field desorption, field ionization at surfaces and field evaporation of metals, and fundamental effects in electron and atomic physics. Besides inventing the field ion microscope, he earlier invented the field emission microscope and the atom-probe.

Dr. Mueller had received numerous honors and prizes for his contributions to science. Among them were the C. F. Gauss Medal (Germany), the Howard N. Potts Gold Medal of the Franklin Institute (Philadelphia), the Centenary Lectureship Silver Medal of The Chemical Society, London, (England), the first M. W. Welsh gold medal Award of the American Vacuum Society, the John Scott Medal, America's oldest scientific award given annually in recognition of useful inventions benefiting mankind, and the Davisson Germer Prize of the American Physical Society.

Dr. James Thomas Day, associate professor of computer science, died at his home May 20. He was 44.

A native of Elk City, Okla., and a 1955 graduate of the University of Oklahoma, Dr. Day received his masters degree from Oklahoma State University and his Ph.D. from the University of Wisconsin. Before coming to Penn State in 1967, he served on the faculty of the University of Wisconsin at Milwaukee and its Mathematics Research Center at Madison.

Dr. Day's research was concerned with the numerical solution of ordinary differential equations, integral equations, and integro-differential equations.

Promotions

(Continued from page 1)

Dr. James E. Van Horn, child development and family life extension
Dr. Lottie A. Varano, radiology, Hershey
Dr. Joseph J. Villafranca, chemistry
Dr. Victor Whitman, pedatrics; chief of pediatric cardiology, Hershey
Dr. Willis W. Willard, family and community medicine, Hershey
Dr. Stamatis M. Zervanos, biology, Berks

TD ASSISTANT PROFESSOR

Elizabeth P. Anderson, human development, New Kensington
Richard E. Anderson, physical education
William M. Baker, business administration, Worthington Scranton
Dr. Eric R. Bell, education, Hazleton
Dr. Melvin Blumberg, management, Capitol
Christeen C. Dole, music
Gaylene P. Doudtre, physical education, Shenango Valley
Dale J. Drost, engineering, Fayette
Donald T. Ferrell, physical education
Dr. Gerard J. Gross, English
Martha E. Hadsel, English, Altoona
Gilbert E. Hutchinson, engineering, DuBois
Donald P. Lyons, engineering, Hazleton
Willard E. McClain, muning engineering, Fayette
Charles M. McCullough, physical education
Dr. Charles D. Pringle, management, Capitol
Craig W. Shellhamer, physical education, Schuylkill
Dr. August H. Simonsen, environmental sciences, McKeesport
S. Douglas White, retailing, Altoona
G. Ronald Wilson, English, Altoona

TO SR. ASSISTANT LIBRARIAN

Charles G. Murphy
Leon J. Sloul
Irene J. Wernstedt

TD SR. RESEARCH ASSOCIATE

Dr. Suzanne T. McDaniel, ARL
Floyd H. Reeser, ARL

TD RESEARCH ASSOCIATE

Claus P. Janota, ARL
William W. Moyer, ARL
Lynn A. Poole, ARL

University Park Calendar

SUMMER TERM 1977

Special Events

Thursday, June 9
HUB Craft Center summer class registration, through Monday, June 13, HUB.
Outdoor Pool, open daily, 10:30 a.m.-8 p.m.

Saturday, June 11
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.
International Council film, *Tapasya*, 7:30 p.m., Room 112 Kern.

Sunday, June 12
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.
P.S.O.C. Hiking Division, trail clear on R.B. Winter Extension of Mid State Trail with swim and picnic supper, 9 a.m., HUB parking lot.
Free U registration, 1-6 p.m., HUB ballroom.
Opening reception for retrospective exhibition by Florence Eck, 3 p.m., Zoller Gallery

Week of June 13

Monday, June 13
Intramural sports: entry open for men's slow pitch softball, co-rec softball (5 male and 5 female players at all times), men's basketball, men's and women's singles and mixed doubles in tennis. Entry close, noon, Thursday, June 16. Intramural Bldg.
HUB Craft Center classes begin.

Tuesday, June 14
Free U classes start.
Microbiology and Cell Biology seminar, Paul T. Magee, Yale University, on "Mutations Affecting RNA Polymer II in Cultured Mouse Cells," 4 p.m., Room 52 Frear.

Wednesday, June 15
G.S.A. Commonsplace Theatre, *Omega Man*, 7:30 and 9:30 p.m., Room 112 Kern.

Friday, June 17
Add deadline (10 week summer term).
International Council film, 7:30 p.m., Room 112 Kern.

Saturday, June 18
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.

Sunday, June 19
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.
P.S.O.C. Hiking Division, hike on Golden Eagle Trail on Pine Creek, 9 a.m., HUB parking lot

Week of June 20

Monday, June 20
Intramural sports: entry open for men's and women's singles in racquetball, men's singles in handball. Entry close, noon, Thursday, June 23. Intramural Bldg.
Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Wednesday, June 22
Registration (6 week summer term), Intramural Bldg.
G.S.A. Commonsplace Theatre, *Straw Dogs*, 7:30 and 9:30 p.m., Room 112 Kern.

Thursday, June 23
Festival Theatre, Kauffman and Ferber, *The Royal Family*, 8 p.m., Pavilion Theatre.

Friday, June 24
Passfail deadline (10 week summer term).
Behind the Scenes with *The Royal Family*, 3 p.m., Pavilion Theatre. Free admission.
Festival Theatre, Kauffman and Ferber, *The Royal Family*, 8 p.m., Pavilion Theatre.

Saturday, June 25
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.
Festival Theatre, Kauffman and Ferber, *The Royal Family*, 8 p.m., Pavilion Theatre.

Sunday, June 26
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.
P.S.O.C. Hiking Division, build bridge on Mid State Trail with picnic supper, 9 a.m., HUB parking lot
Opening reception for M.F.A. exhibit by Tom Lane and Stephanie Knopp, 3 p.m., Zoller Gallery.
Festival Theatre, Kauffman and Ferber, *The Royal Family*, 7:30 p.m., Pavilion Theatre.



Week of June 27

Monday, June 27
Passfail deadline (10 week summer term).

Tuesday, June 28
Drop deadline (10 week summer term).
Passfail deadline (10 week summer term).
Course repeat deadline (10 week summer term).
College of Education PDK Summer Lecture, Dean Henry Hermanowicz, president of AACTE, on "Teacher Education: The National Scene," 2:20 p.m., Room 112 Kern. Tickets at Kern Information Desk.
Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre

Wednesday, June 29
Phi Delta Kappa Fast Back Seminar. Gary P. Johnson on "Schools Without Property Taxes" and "Equity in School Financing," 10 a.m., Room 101 Kern.
G.S.A. Commonsplace Theatre, *The Great Waldo Pepper*, 7:30 and 9:30 p.m., Room 112 Kern.
Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre.

Thursday, June 30
Add deadline (8 week summer term).
Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre.

Friday, July 1
Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre.

Saturday, July 2
Terrace Room closed.
P.S.O.C. Hiking Division, backpack on the Chuck Keiper Trail, through July 4.
Penn State Wargaming Club meeting, 9 a.m. Room 101 EE East.
Festival Theatre, *The Royal Family*, 2:30 and 8 p.m., Pavilion Theatre.

Sunday, July 3
Terrace Room closed
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.
Festival Theatre, *The Royal Family*, 7:30 p.m., Pavilion Theatre.



Week of July 4

Monday, July 4
Independence Day, no classes
Terrace Room closed.
"Be Glad Then America . . . A Documentary," hour long program produced by WPSX will be seen nationally on the Public Broadcasting Service, 9 p.m.

Tuesday, July 5
Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre.

Wednesday, July 6
Phi Delta Kappa Fast Back Seminar. Dean A. Madison Brewer on "Too Many Teachers: Fact or Fiction?" 10 a.m., Room 101 Kern.
G.S.A. Commonsplace Theatre, *The Point*, 7:30 and 9:30 p.m., Room 112 Kern.
Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre.

Thursday, July 7
Passfail deadline (8 week summer term).
College of Education PDK Summer Lecture. Rustom Roy on "Science in a Holistic Society: Century Twenty One," 12:45 p.m., Room 112 Kern.
Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre.
Festival Theatre, Wheeler and Sondheim, *A Little Night Music*, 8 p.m., Playhouse Theatre.
Office of Student Activities free film, *Jeremiah Johnson*, 9 p.m., HUB lawn.

Friday, July 8
Passfail deadline (8 week summer term).
Behind the Scenes with *A Little Night Music*, 3 p.m., Playhouse Theatre. Free admission.
Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre.
Festival Theatre, Wheeler and Sondheim, *A Little Night Music*, 8 p.m., Playhouse Theatre.

Saturday, July 9
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.
Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre.
Festival Theatre, Wheeler and Sondheim, *A Little Night Music*, 8 p.m., Playhouse Theatre
Nittany Mountain Summer Spectrum, London Contemporary Dance Theatre, 8 p.m., Eisenhower Auditorium.

Sunday, July 10
P.S.O.C. Hiking Division, dig out springs on Broad Mountain, picnic supper, 9 a.m., HUB parking lot.
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.
Festival Theatre, Wheeler and Sondheim, *A Little Night Music*, 7:30 p.m., Playhouse Theatre.

Week of July 11

Monday, July 11
Drop deadline (8 week summer term).
Passfail deadline (8 week summer term).
Course repeat deadline (8 week summer term).
Pre-registration deadline (for fall term).

Tuesday, July 12
College of Education PDK Summer Lecture Lawrence Iannaccone on "The Next Battleground in the Politics of Education," 11:10 a.m., Room 112 Kern.
Intergenerational Summer Community Lecture. Luis Summers, Thomas Douglas, Stephanie Hoffman on "Planned Age (planned alternatives for gerontological environments): A Simulation Workshop," 7:30 p.m., Room 101 Kern.
Festival Theatre, *A Little Night Music*, 8 p.m., Playhouse Theatre.
Nittany Mountain Summer Spectrum, The Eastern Opera Theatre of New York in John Philip Sousa's operetta, *El Capitan*, 8 p.m., Eisenhower Auditorium.

Wednesday, July 13
Phi Delta Kappa Fast Back Seminar. Paul Bixby and Frances E. Fairchild on "How to Recognize a Good School," 10 a.m., Room 101 Kern.
Intergenerational Summer Community Lecture. Charles Taylor on "What It Means to Retire," 7:30 p.m., Room 101 Kern.
Festival Theatre, *A Little Night Music*, 8 p.m., Playhouse Theatre.
Office of Student Activities free film, *The Old Man and the Sea*, 9 p.m., HUB lawn.

Thursday, July 14
Intergenerational Summer Community Lecture. Improvisational Players, a group of older adults in the Altoona area who have been involved in improvisational theatre, 7:30 p.m., Room 307 HUB (tentative).
Festival Theatre, *A Little Night Music*, 8 p.m., Playhouse Theatre.

Friday, July 15
Board of Trustees meeting, Room 402 Keller Bldg.
Festival Theatre, *A Little Night Music*, 8 p.m., Playhouse Theatre.

Saturday, July 16
Board of Trustees meeting, Room 402 Keller Bldg.
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East
Festival Theatre, *A Little Night Music*, 2:30 and 8 p.m., Playhouse Theatre.
Nittany Mountain Summer Spectrum, The Earl Scruggs Revue, also Bob Doyle and the Buffalo Chipkickers, 8 p.m., Eisenhower Auditorium.

Sunday, July 17
P.S.O.C. Hiking Division, trail improvement at Big Flat with swim and picnic supper, 9 a.m., HUB parking lot.
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.
Festival Theatre, *A Little Night Music*, 7:30 p.m., Playhouse Theatre.

Week of July 18

Monday, July 18
Color Slide Club meeting, 7:30 p.m., Room 112 Kern.
Nittany Mountain Summer Spectrum, Baltimore Symphony Orchestra, 8 p.m., Eisenhower Auditorium.

Tuesday, July 19
Intergenerational Summer Community Lecture. Herbert A. deVries, Mobile Laboratory for Physiology of Exercise and Aging Research, University of Southern California, and Lawrence J. Frankel, Lawrence Frankel Foundation, on "Physical Fitness in Middle and Later Life," 7:30 p.m., Room 101 Kern.
Festival Theatre, *A Little Night Music*, 8 p.m., Playhouse Theatre.

Wednesday, July 20
Intergenerational Summer Community Lecture. James J. Potter and Joseph H. Britton on "Schools Converted into Housing and Centers for Older Adults: A Community Forum for an Exploratory Project," 2 p.m., Room 112 Kern. Roger N. Cornish on "Theatre for the Retired, Age Is No Barrier," 7:30 p.m., Room 101 Kern (tentative).

G.S.A. Commonsplace Theatre, *Taxi Driver*, 7:30 and 9:30 p.m., Room 112 Kern.
Festival Theatre, *A Little Night Music*, 8 p.m., Playhouse Theatre.
Nittany Mountain Summer Spectrum, The Hoofers, Dixieland sound with tap dancing by seven virtuoso dancers, 8 p.m., Eisenhower Auditorium.

Thursday, July 21
Festival Theatre, *A Little Night Music*, 8 p.m., Playhouse Theatre.
Festival Theatre, Preston Jones, *The Last Meeting of the Knights of the White Magnolia*, 8 p.m., Pavilion Theatre
Office of Student Activities free film, *The Mouse that Roared*, 9 p.m., HUB lawn.

Friday, July 22
College of Education PDK Summer Lecture. Harlan Hoffa on "Real Alive Artists in Wide Awake Schools," 9:30 a.m., Room 112 Kern.
Behind the Scenes with *The Last Meeting of the Knights of the White Magnolia*, 3 p.m., Pavilion Theatre. Free admission.
International Council film, 7:30 p.m., Room 112 Kern.
Nittany Mountain Summer Spectrum, The Tammy Wynette Show, 7:30 and 9:15 p.m., Eisenhower Auditorium.
Festival Theatre, *A Little Night Music*, 8 p.m., Playhouse Theatre.
Festival Theatre, Preston Jones, *The Last Meeting of the Knights of the White Magnolia*, 8 p.m., Pavilion Theatre.

Saturday, July 23
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East
Festival Theatre, *A Little Night Music*, 8 p.m., Playhouse Theatre.
Festival Theatre, Preston Jones, *The Last Meeting of the Knights of the White Magnolia*, 8 p.m., Pavilion Theatre.

Sunday, July 24
P.S.O.C. Hiking Division, move boulders at Promontory with swim and picnic supper, 9 a.m., HUB parking lot.
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.
Field hockey Olympic development camp, all day and evening, Astro-turf field.
Festival Theatre, Preston Jones, *The Last Meeting of the Knights of the White Magnolia*, 7:30 p.m., Pavilion Theatre

Week of July 25

Monday, July 25
Field hockey Olympic development camp, all day and evening, Astro-turf field, through July 29.
Intergenerational Summer Community Lecture. Ruth France on "Aunt Lydia Needs a Nursing Home — or Does She?" 7:30 p.m., Room 101 Kern.

Tuesday, July 26
Intergenerational Summer Community Lecture. O. Randolph Bragg, Lackawanna County Legal Aid and Defender Association; Fred Faber, Keystone Legal Services; on "Common Legal Problems Encountered by Older Adults." 7:30 p.m., Room 101 Kern.
Festival Theatre, *The Last Meeting of the Knights of the White Magnolia*, 8 p.m., Pavilion Theatre.

Wednesday, July 27
Phi Delta Kappa Fast Back Seminar. Twyla M. Shear, Cecil R. Trueblood, and Fred H. Wood on "Three Views of Competency Based Teacher Education," 10 a.m., Room 101 Kern.
Intergenerational Summer Community Lecture. Arthur H. Patterson, Charles Brown, and Colien Hefferan on "Victimization and Quackery." 7:30 p.m., Room 101 Kern.
G.S.A. Commonsplace Theatre, *Reefer Madness*, 7:30 and 9:30 p.m., Room 112 Kern.
Festival Theatre, *The Last Meeting of the Knights of the White Magnolia*, 8 p.m., Pavilion Theatre.

Thursday, July 28
Intergenerational Summer Community Lecture. Dennis R. Hameister, Elise Post, Office for the Aging, Harrisburg; Harry Riemer, Bureau of Planning, Harrisburg; Joe Bard, Office of Lifelong Learning, Harrisburg, on "Lifelong Learning of Older Adults in Pennsylvania: A Perspective from State Government," 7:30 p.m., Room 101 Kern.
Festival Theatre, *The Last Meeting of the Knights of the White Magnolia*, 8 p.m., Pavilion Theatre.
Office of Student Activities free film, *Last Horizon*, 9 p.m., HUB lawn.

Friday, July 29
Festival Theatre, *The Last Meeting of the Knights of the White Magnolia*, 8 p.m. Pavilion Theatre.
Festival Theatre, *Gershwin Revisited*, a musical revue of the favorite works of George Gershwin, 8 p.m., Playhouse Theatre.

Exhibits

Anthropology Museum
Hours are Tuesday and Thursday, 9 a.m.-noon, and Wednesday, noon-5 p.m. Special ceramics exhibit open July 15-17, 1-5 p.m. Entrance at rear of Sparks.

Earth and Mineral Sciences Museum
Hours are Tuesday-Sunday, 1-5 p.m., and by appointment for groups. Special exhibit, "Mineral Pigments and the Arts," July 14-17, 9 a.m.-9 p.m. (July 17 to 5 p.m.). Mineral Industries Bldg.

Frost Entomological Museum
Hours are Monday-Friday, 8 a.m.-noon, and 1-4 p.m., and by appointment for groups. Room 102 Patterson.

Hammond Gallery
Display of winning entries in the poetry competition of the CPFA, July 10-23.

HUB Gallery
Smithsonian Institution exhibit, "Photographing the Frontier," through June 30.
Smithsonian Institution exhibit, "American Coverlets," July 1-31.
CPFA Children's exhibit, July 5-23.
CPFA Invitational Fine Arts exhibit, July 10-August 7.

Kern Commons Gallery
Richard Holodick, photographs, through June 18.
Henry Fiore, paintings, June 11-25.
"20th Anniversary of Festival Theatre," June 18-July 2.
Larry Dumm, paintings, June 25-July 9.
"164," photographs by Ansel Adams, Imogen Cunningham, Willard Van Dyke and Edward Weston, July 9-17.
CPFA Invitational photography exhibit, July 9-17.
Paval Molnar, ceramics, July 31-August 13.

Museum of Art
Hours are Tuesday-Sunday, noon-5 p.m.; tours every Sunday, 2:30 p.m., and July 15, 16, 22, 23, 29, and 30 at 1:30 p.m.
Philip Grausman, sculptor, Growing Forms, through June 12.
American paintings from the collection of Daniel J. Terra, through July 31.
The Realist Tradition in American Art: selections from the permanent collection, through July 31.
CPFA Juried Craft exhibit, July 10-August 7.
Arne Jacobsen: Danish architect and designer, August 14-October 30.

Museum of Art HUB Gallery
African Art, Nigerian and Benin objects from the collection of Dr. and Mrs. John Swanson, through July 3.
CPFA Invitational Fine Arts exhibiton, July 10-August 7.

Playhouse Gallery
Hours are Monday-Friday, 10 a.m.-5 p.m., and 7-10 p.m. evenings of Playhouse productions.
"20 Years of Festival Theatre," photographs and related memorabilia, through August 6.

Sackett Gallery
Visual communication products in Systems — drawings and three dimensional models, opposite 308 Sackett.

Zoller Gallery
Florence Eck, retrospective exhibition of paintings, June 12-17.
M.F.A. exhibition by Tom Lane, ceramics, and Stephanie Knopp, graphics, June 25-30.
CPFA exhibit, Antonio Frasconi, July 12-30.
M.F.A. exhibit by Pamela Grove, sculpture, August 7-12.



Photo from "20 Years of Festival Theatre" Playhouse Gallery

Saturday, July 30
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.
Behind the Scenes with *Gershwin Revisited*, 3 p.m., Playhouse Theatre. Free admission.
Festival Theatre, *The Last Meeting of the Knights of the White Magnolia*, 8 p.m., Pavilion Theatre.
Festival Theatre, *Gershwin Revisited*, a musical revue of the favorite works of George Gershwin, 8 p.m., Playhouse Theatre.

Sunday, July 31
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.
Festival Theatre, *The Last Meeting of the Knights of the White Magnolia*, 7:30 p.m., Pavilion Theatre.
Festival Theatre, *Gershwin Revisited*, a musical revue of the favorite works of George Gershwin, 7:30 p.m., Playhouse Theatre.

Week of August 1

Tuesday, August 2
Festival Theatre, *The Last Meeting of the Knights of the White Magnolia*, 8 p.m., Pavilion Theatre.
Festival Theatre, *Gershwin Revisited*, 8 p.m., Playhouse Theatre.

Wednesday, August 3
Late drop deadline (10 week summer term).
Festival Theatre, *The Last Meeting of the Knights of the White Magnolia*, 8 p.m., Pavilion Theatre.
Festival Theatre, *Gershwin Revisited*, 8 p.m., Playhouse Theatre.

Thursday, August 4
College of Education PDK Summer Lecture. Martin Sharp, 3:35 p.m., Room 112 Kern.
Festival Theatre, *The Last Meeting of the Knights of the White Magnolia*, 8 p.m., Pavilion Theatre
Festival Theatre, *Gershwin Revisited*, 8 p.m., Playhouse Theatre.
Office of Student Activities free film, *Shenendoah*, 9 p.m., HUB lawn.

Friday, August 5
Festival Theatre, *The Last Meeting of the Knights of the White Magnolia*, 8 p.m., Pavilion Theatre.
Festival Theatre, *Gershwin Revisited*, 8 p.m., Playhouse Theatre.

Saturday, August 6
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.
Festival Theatre, *The Last Meeting of the Knights of the White Magnolia*, 2:30 and 8 p.m., Pavilion Theatre
Festival Theatre, *Gershwin Revisited*, 2:30 and 8 p.m., Playhouse Theatre

Sunday, August 7
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.
Opening reception for M.F.A. exhibit by Pamela Grove, 3 p.m., Zoller Gallery.

Week of August 8

Tuesday, August 9
College of Education PDK Summer Lecture. Mary Dupuis on "The Politics of Reading: Century Twenty One," 8 a.m., Room 112 Kern.

Wednesday, August 10
Last drop deadline (8 week summer term).

Thursday, August 11
Phi Delta Kappa meeting, 4 p.m., Room 101 Kern.
Phi Delta Kappa initiation, 5 p.m., Room 112 Kern.
Office of Student Activities free film, *The Invasion of the Body Snatchers*, 9 p.m., HUB lawn.

Saturday, August 13
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.

Sunday, August 14
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.

Week of August 15

Monday, August 15
Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Tuesday, August 16
University Faculty Senate Council meeting, 2:10 p.m., Room 101 Kern.

Wednesday, August 17
Make up day for classes missed July 4.
Summer term classes end 9:55 p.m.
Continuing Education final examinations.
Office of Student Activities free film, *The Endless Summer*, 9 p.m., HUB lawn.

Thursday, August 18
Free U Fabulous Forget-About-Finals Free Film Festival, HUB assembly room.
Final examinations.
Continuing Education final examinations.

Friday, August 19
Free U Fabulous Forget-About-Finals Free Film Festival, HUB assembly room.
Final examinations.
International Council film, 7:30 p.m., Room 112 Kern.

Saturday, August 20
Free U Fabulous Forget-About-Finals Free Film Festival, HUB assembly room.
Final examinations.

Week of August 22

Monday, August 22
Outdoor Pool, open daily 10:30 a.m.-6 p.m. Open after 6 p.m. when weather permits.

Tuesday, August 23
College of Agriculture Ag. Progress Days, all day, Rock Springs.

Wednesday, August 24
College of Agriculture Ag. Progress Days, all day, Rock Springs.

Thursday, August 25
College of Agriculture Ag. Progress Days, all day, Rock Springs.

Saturday, August 27
Commencement.

11th Annual Central Pennsylvania Festival of the Arts

Tuesday, July 12
Festival Gala Party, Centre Hills Country Club.

Wednesday, July 13
Young People's Day, Allen Street Mall. Art and craft demonstrations and performances by young people of the region.
Opening Ceremonies (evening) and street dance, Allen Street Mall.

Thursday, July 14-Sunday, July 17
Juned Sidewalk Art Sale and Exhibition, campus walks.
Performances in the festival tent and the Allen Street stage.
Artists in Action, Allen Street Mall.
Daytime documentaries and short films, campus locations. Evening feature film outdoors.
Children's activities, Central Parklet, through Saturday, July 16.

From the Trustee Docket

"Austere" budget approved

The 1977-78 general funds budget for the University, described by President Oswald as "very austere," has been adopted by the Board of Trustees.

"A very austere budget has been prepared, which leaves out many highly desirable — in fact, badly needed — program and support provisions, but attempts to provide for the most critical needs," Dr. Oswald said. "We have, however, succeeded in maintaining priority programs in providing appropriate increments in salaries and overall compensation."

The general funds portion of the total operating budget approved by the board supports the University's fundamental programs of teaching and research. Excluding The Milton S. Hershey Medical Center, this portion amounts to $200,358,000 — an increase of 5.2 per cent over last year's figure. It is basically supported by tuition from students and from State appropriation funds.

In the general funds budget, the University, excluding Hershey, was faced with a $14.5 million gap — the difference between its State appropriation request and the recommendation in the Governor's budget.

"This gap," reported Dr. Oswald, "is being closed by: 1) eliminating funds of $3 million proposed in the budget request to restore previous cuts; 2) eliminating proposed critically needed expenditure increases of $3.7 million; 3) making internal budget reallocations of $3.2 million; and 4) increasing tuition to yield approximately $4.6 million."

Provision has been made in the budget for salary adjustments for University employees. A portion of the increased funds will be used for across-the-board basic salary increments. Other portions will be used for merit increases and to meet certain equity adjustments. Overall this represents approximately 5 per cent of the salary budget but does not constitute an automatic 5 per cent increment for any individual or class of employees. With fringe benefits added, the overall increase in the compensation budget approximates 6.8 per cent.

Dr. Oswald further noted that the uncertain State revenue situation made it necessary for the University "to develop this austere budget based on the Governor's recommended appropriation for Penn State.

"If the Legislature is able to solve the Commonwealth's revenue problems," Dr. Oswald said, "it is hoped that Penn State will receive more than the $3,002,000 increase recommended by the Governor. If additional funds are provided, they will be used to cover essential needs which currently are unfunded or underfunded."

Penn State's total maintenance and operating budget for 1977-78, which includes the general funds portion, is $370,997,000 — an increase of 6.1 per cent over last year's figure of $349,750,000. Of this total, less than 30 per cent comes from State appropriations.

The $200,358,000 general funds budget is determined by excluding all the self-supporting activities of the University. such as residence hall programs, the teaching hospital at The Milton S. Hershey Medical Center, intercollegiate athletic programs, book stores, and many other auxiliary enterprises. Also taken out are some $47.7 million that the University receives in the form of contracts, grants, and gifts in support, primarily, of research.

Room and board, tuition to rise

Increases in tuition and room and board charges, effective with fall term in September, were approved.

Tuition increases for undergraduates from Pennsylvania averaged 9.1 per cent per academic year. In dollars, this comes to $114 a year, or 9.9 per cent at University Park, and $78, or 7.4 per cent, at the Commonwealth Campuses. Rates for out-of-state undergraduates are increased by $240 a year at all locations.

Room and board charges will be increased by $36, or 2.4 per cent, for the academic year for undergraduates living in a double room.

"Fortunately, we were able to keep room and board charges to a level where the overall increases in these costs, plus tuition increases, are similar to last year's total," Dr. Oswald noted.

The combined increases — tuition, plus room and board — will total $150 a year for students at University Park, and less for those on the Commonwealth Campuses. This compares with last year's combined increase of $138.

"Regrettably, even after severe internal cuts had been completed," said Dr. Oswald, "it was still necessary to raise tuition in view of the minimum increase recommended by the Governor in our State appropriation for the next fiscal year."

While the Governor's recommendation is $15.6 million under the amount requested, President Oswald emphasized that the tuition increases approved will account for less than a third of the total gap. He said that all possible options to hold tuition increases to a minimum were employed. These included finding new revenues, identifying areas where expenditures might be reduced, and reallocating from existing funds within the University.

The new tuition schedule, President Oswald reported, is based on the anticipation of a State appropriation increase of 2.81 per cent recommended by Governor Shapp.

Dr. Oswald informed the trustees that contingency plans have been developed should the University receive less than the amount recommended by the Governor. "In that event," he said, "the University would be forced to make further cutbacks in many areas, and, in all likelihood, a second increase in tuition would be needed in mid-year."

For Pennsylvania undergraduates at Capitol Campus at Middletown, where upper-division work is offered, rates are increased by $108 per year.

As a result of tuition increases, Pennsylvania residents now will pay $1,263 per year for undergraduate study at University Park, $1,134 at the Commonwealth Campuses and Behrend College, and $1,188 at Capitol Campus. Out-of-state undergraduate students will pay $2,643 at all locations.

The tuition increase for graduate students at University Park and The Milton S. Hershey Medical Center is $123 yearly. At all other locations it is $33. For graduate students who are not Pennsylvania residents, the increase at all locations is $249 a year.

Explaining the room and board increases, which amount to less than 15 cents per day, President Oswald said they were essential because of increased operating costs which include mandated employee benefits. He reemphasized that room and board charges paid by the student occupant are the only source of funds for residence hall operations.

In addition to the increased tuition rates for full-time students, the trustees increased per credit rates for part-time students. The cost for Pennsylvania residents for undergraduate credits moved from $48 to $53 at University Park; $41 to $45 at Capitol Campus; and $38 to $41 at other Campuses.

For graduate credits, the increase is $51 to $56 at University Park and Hershey and $44 to $45 at other locations.

Non-Pennsylvanians will pay $110 per credit for undergraduate credits and $113 for graduate credits at all campuses. The rate had been $100 for undergraduates and $103 for graduates.

Hershey to increase tuition by 25 per cent

The College of Medicine has been forced, because of a lack of support in State funding, to increase its tuition by 25 per cent or $1,000 for State residents.

Effective in September, Hershey's tuition will be $4,000 a year, which makes it, along with Pitt's and Temple's, among the highest of any State-supported medical school in the United States. The out-of-state increase is $1,250, or $6,250 a year.

The tuition increase was included in the University's 1977-78 operating budget approved by the trustees at their May meeting. Dr. Oswald explained that "the State's per capita appropriation per medical student has remained at $7,465 for six years. Meanwhile, costs — due primarily to inflation — have escalated sharply.

"To match the pre-inflation capitation equal to 1971, we had requested State support of $10,568 per medical student. Both the Governor and the Senate, however, recommended no increase," Dr. Oswald said.

The lack of increased support has created a $1,158,000 shortage in the College of Medicine general funds budget. One third of this amount will be met by increased tuition, one third by reallocation of existing funds, and the balance by cutbacks in expenditures. Of the increased tuition, $100,000 will be earmarked to provide additional financial aid to medical students

The College of Medicine budget represents less than a fourth of the Medical Center's total budget of $68,738,000. State support for medical students is about 4 per cent of the budget.

The rest of the Medical Center's operations, budgeted for $52 million, are self-supporting.

Undesignated funds allocated

The allocation of $92,700 of undesignated funds contributed by alumni and friends for cultural, campus environmental, instructional and research projects was approved.

Toward the enrichment of cultural offerings at Penn State, $35,700 was allocated for the following projects: An original Vuillard painting for the Museum of Art, $25,000; refurbishment of a stage at the Mont Alto Campus, $5,000; support for the Summer Theatre at the Berks Campus, $2,500; young people's and pops concerts sponsored by the Artists Series, $2,500; and an audio-visual record of *Be Glad Then America*, a University Bicentennial presentation, $700.

Two Commonwealth Campuses were allocated funds for improvement of the quality of the campus environment: $3,000 for restoration of a reflecting pool and pond at Wilkes-Barre and $1,000 for renovation of the lobby at the former Administration/Classroom Bldg. at Worthington Scranton.

The trustees approved $10,000 to help implement a Dial-Access Information System that assists students throughout the University in obtaining systematic and authoritative information, both academic and non-academic

An additional $4,000 was allocated to continue at the Ogontz Campus a program to collect and publish in microfilm the papers of Martin Van Buren and to publish a two-volume edition of his autobiography.

Other funds allocated include $20,000 toward the recent expansion of the Helen Eakin Eisenhower Chapel at University Park; $5,000 for an Exercise Prescription Conference sponsored by the College of Health, Physical Education and Recreation; $10,000 for a computerized student-employer program at the Career Development and Placement Center; $2,000 for additional library materials in the International Student Lounge; and $2,000 for a catalog of the Museum of Art's Terra Art Exhibit.

Funds for these projects are among those private monies contributed by alumni and friends of Penn State to help enrich the programs of the University.

Engineering alterations set

Alterations will be made on Engineering Units A,B,C, D and E, located north of Hammond Bldg. at University Park to provide for better use of the facilities and to bring them into compliance with State Department of Labor and Industry regulations. The trustees authorized an expenditure for the project, not to exceed $800,000, from funds reserved for Labor and Industry's emergency compliance provisions.

Units C and D. according to the plans, will be connected at the second and third floor levels. The passageway which leads to a stairway under Hammond Bldg. to Fraser St. and College Ave. will be retained. This addition would be designed to provide a major entrance to the units.

Also in the plans are modifications to the sprinkler system, emergency lighting and provisions for the handicapped which would include a ramp exit and entrance to Unit A, as well as an elevator in Unit A. This will provide access to all floors of all units.

With the completion of the project, there would be a rearrangement of space occupied by the Departments of Architecture and Landscape Architecture and the Department of Architectural Engineering.

The buildings were constructed between 1913 and 1920. In 1960-61, under a General State Authority project, fire towers were constructed, as required by the State code, and hip roofs and dormer windows were replaced to provide additional space on the third floors of the units.

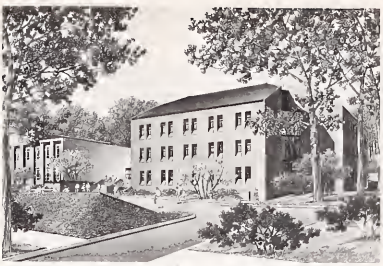
Schwab to close for alterations

Schwab Auditorium at University Park will be closed for approximately a year, starting in late summer, for alterations and general improvements designed to bring the building into compliance with State Labor and Industry codes. To complete the project, the board authorized an expenditure, not to exceed $600,000, the money to come from funds reserved for Labor and Industry's emergency compliance provisions. The board also authorized the obtaining of bids and awarding of contracts.

The architectural character of the building, built in 1903, will not be changed. A major part of the project will involve the heating system, which does not meet today's safety requirements. It heats air on the ground level and forces it through hundreds of small openings in the main floor of the building.

Lines that will carry hot water for heat and cold water for cooling will be installed in the building, with a unit, partially underground, to be added south of the structure to house the mechanical equipment needed. A ramp for handicapped persons will be built on the north side to the east entrance.

Other alterations to bring the building into compliance with safety codes include changes in doorways and improvements in the sprinkler system.



Final plans for this nursing education building at University Park were approved, and authorization was given to obtain bids and award contracts. The board also authorized an expenditure not to exceed $5 million. Of this amount, $3,563,012 will be provided by the Division of Nursing, Department of Health, Education and Welfare. The balance, $1,436,988, will come from University funds, to be restored by private fund raising from foundations, friends and other contributions, including University support.

Energy conservation noted

The success of Penn State's energy conservation effort is measured by the energy costs avoided. These are estimated to be $2,094,049 for the University Park Campus alone.

"The day of the 'quick fixes' is now passed," stated J. Carroll Dean, manager of energy conservation programs, in a report to the board. "The program has matured into a long-range integrated approach requiring a steady, persistent, dedicated effort.

"Because of the rising cost of all forms of energy, it has not been possible to achieve actual savings. It has been possible, however, to avoid some of the increased costs."

The trustees were informed of physical plant modifications and studies including:

— A Building Energy Analysis, directed at improving energy efficiency of existing buildings.

— A Centralized Control System, a computer-based system which will monitor various environmental parameters in a number of buildings and remotely control certain building systems.

— Light Conversion and Control Programs which have made it possible to identify certain widespread and well-defined conditions which offer prime opportunities for energy conservation. Massive conversion of incandescent lighting to a more efficient type is one such opportunity.

— Power Plant and Distribution Systems Upgrading, divided into three groups of projects based on potential payback periods — 4 to 7 years, 10 to 14 years, and 15 to 20 years.

— Meter Maintenance, aimed at insuring more reliable metering.

Mr. Dean also reported on the need for better education and information efforts, emphasizing that "no amount of modifications and alterations to physical facilities alone will ever achieve more than 50 to 60 percent of the total opportunity for savings."

The plans for identifying University-wide Energy Consuming Cost Centers, directed at controlling, and possibly modifying, the uses of buildings to achieve energy savings was also discussed. There currently exists at University Park a computer-based energy consumption reporting system which each month publishes the consumption of electricity, steam, and water by building. The buildings are grouped into 18 administrative cost centers and the total consumption shown for each cost center.

As part of the energy program, the University has also considered the possible use of alternate fuels, including such items as rubbish and wastewood products.

Holtzinger honored

Science Building #2 at the Altoona Campus has been named in honor of the late J. Edward "Ted" Holtzinger, one of the founders of the Campus and a University trustee for 21 years.

Commenting on the action, President Oswald said: "The naming of the building for Mr. Holtzinger is most appropriate. For 28 years he served as chairman of the Campus Advisory Board. Under his excellent leadership, the Campus conducted three successful fund drives which raised more than $2 million for the Smith Classroom Bldg. and later the residence halls and student commons. In 1972, he was awarded the Gold Medal of the Altoona Campus for his many contributions to Penn State."

Mr. Holtzinger, who was president and general manager of the Mirror Printing Co., Altoona, served as a University trustee from 1948 to 1951 and from 1954 to 1972. He later was named trustee emeritus. A generous contributor to the University, he was a charter member of the Board of Directors of the Penn State Foundation, now the Office of Gifts and Endowments. Mr. Holtzinger, a 1925 graduate of the University, was recognized as a Distinguished Alumnus in 1973.

The building named for Mr. Holtzinger is located along the western edge of the Campus. Constructed in 1969-70, it includes facilities for work in biology, along with laboratory facilities for electrical, mechanical, aerospace, mining, and nuclear engineering technology programs. There are also greenhouse facilities.

Beaver museum named

Beaver's museum has been named the George Baker — Levi Dungan Museum in honor of Beaver County's first settlers.

The action was taken on the recommendation of the Advisory Board of the Beaver Campus, acting on a resolution from the Mill Creek Valley Historical Assn., which operates and manages the Museum.

George Baker — an ancestor of the late Michael Baker Jr., of Beaver, former president of the board — settled in Beaver County in 1772, living in a log cabin near the site of the Campus. Levi Dungan and his wife and three children, along with two slaves, moved to Beaver County, also in 1772, and built a cabin in Hanover Twp. Both men were soldiers in the Revolutionary War armies and both contributed extensively to the civil and political life of Beaver County.

Statement on stadium

Following is a statement made by President Oswald to the Trustees' Committee on Physical Plant:

"At the last meeting of the Board the final plans for the expansion and alteration of Beaver Stadium were approved and the officers were authorized to take them to bid and to award contracts if they were under the approved project cost of $4,930,000. The bids have now been opened and the lowest is approximately $1,400,000 high. University officials are now in the process of rebidding the project by making all non-revenue-generating aspects of the alterations as alternates for the purpose of obtaining bids that are under the amount approved for the project and still will permit us to proceed with a satisfactory basic expansion plan. As soon as the new bids are received, and if they are within the approved funds, I will request the President of the Board of Trustees to call a special meeting of the board for the purpose of final action on this project."

Behrend adds majors

Two additional undergraduate majors will be offered at the Behrend College. The majors in accounting and in management with an option in administrative management currently are being offered within the University system.

The major in accounting, which leads to a B.S., prepares students for careers in public, industrial, or governmental accounting and also provides an excellent background for students planning to enter law school. The 113-credit program consists of 84 credits required for the major, 40 credits of University baccalaureate degree requirements, and nine credits of electives.

In the option in administrative management of the management major, students are provided an opportunity to develop knowledge and skills in human resource management, industrial relations and personnel management, as well as skills in general administration, including planning, organizing and controlling. The program leads to a B.S. and also consists of 84 credits required for the major, 40 credits of University baccalaureate degree requirements, and nine credits of electives.

Allentown bldg. named

The first building on the Allentown Campus's new 40-acre site, two miles northwest of Fogelsville, has been named Academic Bldg. The building, being constructed at a cost of $1,379,357 as a State Department of General Services project, is scheduled for completion in November.

It will serve as the new home of the Allentown Campus, Penn State's oldest branch campus. The Academic Building was designed as an innovative, flexible, multiple use-type facility. It will contain large rooms for use in continuing education programs, classrooms and seminar rooms for baccalaureate degree work, and administrative and faculty offices.

The board also authorized a first-option agreement between St. Michael's Catholic Church and the University for the sale of the property that since 1951 has housed the Allentown Campus. The agreement does not constitute authority to sell the facility, a former brick factory building. The property, which was transferred to the University by the Allentown Campus Advisory Board in 1952, possibly may not be required by the University after the Campus moves to the Fogelsville location.

Program names changed

The trustees have been advised of four changes in the names of graduate degree programs at the University.

In Arts and Architecture, the Master of Fine Arts in Music has been changed to Master of Music, a name that is recommended by the National Association of Schools of Music. In Engineering, the Master of Science, Sanitary Engineering, has been changed to Master of Science, Environmental Engineering; the Master of Engineering, Sanitary Engineering, has been changed to Master of Engineering, Environmental Engineering; and a Doctor of Philosophy degree in Environmental Engineering has been added.

The new names do not signify a change in degree requirements; they make the degree names consistent with names now used at other institutions.

Seven members elected to board

Three new members, along with four incumbents, have been elected to three-year terms on the board.

J. Lloyd Huck, of New Vernon, N.J., executive vice president of Merck and Co., Rahway, N.J., succeeds John L. Romig, of Kennett Square, first named to the board in 1960. He was elected by county industrial society delegates, who also re-elected H. Thomas Hallowell Jr., of Jenkintown, chairman of the board of Standard Press Steel Co. and a trustee since 1950. Mr. Romig was not a candidate for re-election.

Penrose Hallowell, of Ottsville (a distant relative of H Thomas Hallowell Jr.), owner of Pennywell Farms, and Raymond E. Sperry, operator of a family-incorporated poultry farm near Atlantic, Crawford County, are the newly elected board members chosen by delegates of county agricultural societies. They succeed J. Lin Huber, of St. Thomas, a member of the board since 1968, and John M. Phillips, of North East, also a trustee since 1968. Mr. Huber was not a candidate for re-election.

Balloting by mail, alumni of the University re-elected Walter J. Conti, of Doylestown; Ralph Hetzel, of Valencia, Calif., and Charles W. Shaeffer, of Baltimore, Md. They were chosen from eight who had been nominated.

Mr. Conti, first elected in 1974, owns and operates Conti's Cross Keys restaurant in Doylestown; Mr. Hetzel, provost and vice president of the California Institute of the Arts, has served on the board since 1956; and Mr. Shaeffer, past president and chairman of T. Rowe Price Associates, investment research and counsel firm, was appointed to the board early last year.

Mr. Huck, who is president of the Penn State Alumni Association, was elected executive vice president of Merck and Co. in January and to the board of directors in April. He is responsible for the company's human health business in the United States and Canada and for its environmental and industrial businesses around the world. He is a 1946 graduate of Penn State in chemistry.

Mr. Hallowell, a 1950 graduate of Penn State with a B.S. in agricultural economics, owns, with his son, James, an 80-Holstein dairy cow operation. From 1969 to the present, he has served as State director, USDA, Farmers Home Administration, where he is responsible for administration of the Harrisburg State office and 28 county offices throughout Pennsylvania.

Mr. Sperry, named Master Farmer in 1975 by Pennsylvania Farmer magazine, operates a family-incorporated farm in Crawford County. He is a member of the legislative committee of the Crawford County Farmers Association and of the executive committee of the Agway Board.

News in brief

(Continued from page 1)

contributions that may be received.

Income from the fund will provide for the payment of an honoranum to the invited lecturer while the College of Science Alumni Society will provide each lecturer's travel and personal expenses. The first lecture will be presented this year.

"Although Penn State provides many learning opportunities for its students," said Dr. Thomas Wartik, dean of the College of Science, "not until the A Dixon Johnson Lectureship have we had a formal and regular program of bringing to our campus the country's best communicators in science. We are confident that this lectureship program will prove instructive not only for the audience but also for the lecturers, who will have the opportunity to discuss with producing scientists their views on the effectiveness of scientific communication."

The selection of the guest lecturers will be made by a committee consisting of a representative of the College of Science Alumni Society, two faculty members knowledgeable in the field of scientific communication appointed by the dean of the College of Science, and a representative of the Johnson family; with the dean of the College serving as an ex officio member.

Intramural entries due

Entries will be taken in the Intramural Office (located across the street from Shields Bldg.) for the following sports: Softball, slow pitch and co-rec.; men's basketball; tennis — singles for both men and women and mixed doubles. Entries should be turned in between Monday, June 13, and noon on Thursday, June 16. Further information is available at 865-5401.

Joggers sought for study

John Kraus, M.D., is seeking joggers who have leg or foot pain while running for a study. Runners who wear orthotic devices or inserts that were fitted by a podiatrist are also needed. Subjects may be male or female, any age over 18 years, and must run at least 20 miles per week. The study will include a medical evaluation of each subject's lower extremities as well as a biochemical evaluation of his or her gait. At the conclusion of the study, a description of the gait as well as recommendations for preventing pain will be given to each participant.

Interested persons may leave their name and telephone number at 865-0407.

Inn manager named

William G. Bohm, director of membership services and research for the American Hotel & Motel Assn., New York, N.Y., has been named manager of the Nittany Lion Inn. The appointment, effective July 1, was announced this week by Ralph E. Zilly, vice-president for business.

Mr. Bohm will succeed Louis E. Silvi, who had been manager of the Inn since 1958, and who last August was named special assistant to the vice-president for business. After the arrival of Mr. Bohm, Mr. Silvi will devote full time to his new position.

A native of Watchung, N.J., Mr. Bohm is a graduate of Penn State where he received his bachelor of science degree in hotel administration in 1955.

Prior to joining the American Hotel & Motel Assn. staff in 1969, Mr. Bohm served eight years as general manager of the Nassau Inn at Princeton, N.J.

Ulerich receives honorary degree

William K. Ulerich, publisher of The Progress, Clearfield's daily newspaper, and president of the Board of Trustees, received the honorary Doctor of Laws degree from the Dickinson School of Law at commencement exercises there on June 4.

Mr. Ulerich, a 1931 graduate of Penn State, has been a member of the board for 19 years and currently is serving his second year as president. In 1969 he received the University's Distinguished Alumnus Award.

A life-long journalist since his days as student editor of the Collegian, he is currently publisher and president of The Progress and the Danville News, in addition to being chief executive officer of four community radio stations in Clearfield, State College, Indiana, Pa., and Naples-Marco Island, Fla. He is past president of the Pennsylvania Newspaper Publishers' Association and in 1960 received the Distinguished Service Award from that organization. For 12 years he served as an assistant professor of journalism at Penn State.

Housing service

Faculty receiving inquiries about housing from incoming graduate — or undergraduate — students may wish to tell them about the off-campus housing information service, which will be operated by the Office of Residential Life Programs through Sept. 2. Located in Room 335 Boucke Bldg., the service will be available Monday through Friday from 8 a.m. to 5 p.m. and Saturday from 9 a.m. to 3 p.m., with the exception of Saturday, July 2.

The office will provide such information as OTIS Housing Lists; State College Area maps; mobile home park information; office hours, security deposit and application information for the major local apartments; and regularly updated vacancy information from apartment owners and managers. Persons seeking to rent or sublet apartments, houses or rooms and wishing to find roommates may use the bulletin boards in the office to post notices.

Any persons who have apartments, rooms or houses to rent are urged to contact the Office of Residential Life at 865-3491.

Brill honored

Julia Gregg Brill, professor emerita of English composition, received the Lion's Paw Medal Award for her service as a guardian of Penn State's traditions at the All-Class Luncheon held June 4 during Class Reunion Weekend.

The award, established in 1965, is presented by the Alumni Association of Lion's Paw, a senior honor society established at the University in 1908 with the primary purpose of uniting undergraduate leaders for service to Penn State. Miss Brill, described in her award citation as a "busy, no-nonsense octagenarian," is the first woman to receive the award.

Her service to Penn State has included many firsts. She was the first Penn State Woman of the Year in 1958, an award now included as a Distinguished Alumni Award; the first woman to serve on the Alumni Council and one of the first two women to be elected to its executive board; the first woman to serve on the board of directors of the Penn State Foundation, now the Office of Gifts and Endowments; the first, and for nearly 20 years, the only woman faculty member in the English composition department; and the first woman to be named professor of English.

Larson now an alum

Provost emeritus Russell E. Larson received the Honorary Alumnus Award on June 4 during Class Reunion Weekend.

The award honors a person who is not an alumnus but has made outstanding contributions to the welfare of Penn State and has significantly enhanced its reputation and prestige. It is not an annual award, but is given only when the Penn State Alumni Association wishes to honor an exceptional person.



"Oyster Gatherer of Cancale (Male)," an oil by John Singer Sargent, is included in American Paintings from the Collection of Daniel J. Terra, on exhibit at the Museum of Art through July 31. All of the 21 paintings displayed are examples of the American Impressionist school.

Outdoor pool open

From now through Aug. 22, the outdoor pool at University Park will be open from 10:30 a.m. to 8 p.m. daily. After Aug. 22, the pool wil close at 6 p.m. — later if the weather permits. Hours of operation from Sept. 6 to Oct. 1 will be noon to 6 p.m. Since the pool is heated, it may remain open beyond this date if the fall is particularly mild.

All University faculty, staff and students are considered members of the outdoor pool. Admission is 50 cents per person daily, or members may purchase $5 swim tickets, good for 15 swims.

Members may be requested to present I.D. cards, and they must accompany guests. (Guest fee is 50 cents.) All guests must be college age, except when the pool is open to members and their families. All children under 18 years of age must be accompanied by an adult at the pool.

WPSX Highlights

Sioux Indian artist Arthur Amiotte, who left the mainstream of American culture six years ago to return to his native Pine Ridge Reservation, is profiled on **Americana,** a 30-minute documentary to be seen Friday, June 10, at 9:30 p.m. On the advice of an Oglala Sioux medicine man, Mr. Amiotte left a successful career at a South Dakota State College to practice the sacred rituals and traditions of his tribe, and to discover his identity. The effect of that change on his life and his art is documented on the program.

Documentary Showcase, seen Friday, June 10, at 10 p.m., presents a study of Pennsylvania's Amish community. "The Amish: A People of Preservation." The program, which was filmed in Lancaster County, reveals the difficulties of living a simple life in a modern society. It also shows how the goals of humility and resistance to pride are evidenced in the Amish lifestyle.

Ben J. Wattenberg investigates the effectiveness of the presidency on **In Search of the Real America,** Tuesday, June 15, at 9 p.m. Focusing on the concept of the "imperial presidency," Mr. Wattenberg solicits the views of Lady Bird Johnson, Dean Rusk, William Safire, and Robert Bock.

Fran Fisher hosts a discussion of the Olympic Games on **Talkabout,** Wednesday, June 15, at 7:30 p.m. The first of a two-part study of the games, the program explores the day-to-day activities of the ancient games. Appearing on the program are Paul Agate, assistant professor of physical education at Penn State's Fayette Campus, and James Thompson, associate professor of physical education at the University Park Campus.

Helen Hayes stars in a rare performance of S.N. Behrman's *End of Summer* on **Great Performances: Theater in America** Wednesday, June 15, at 9 p.m. A production of the Charles MacArthur Center for American Theatre in Tallahassee, Fla., *End of Summer* is a comedy of manners built around the conflicts of a wealthy and powerful American family living in Maine during the Depression. Like other Behrman plays, it examines the conventions of American upper-class life.

Staff Vacancies

Staff vacancies in this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in INTERCOM may be found in the Penn State REPORTER. All University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be received until 5 p.m., **June 16, 1977. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

As provided by the procedures for control of new hiring and promotion, staff vacancies will be announced only when granted an exception by the cognizant senior University officer.

THERAPEUTIC DIETITICIAN — Hershey — Responsible to the Patient Nutritional Care Coordinator for appraising, recording, and determining avenues for improving the nutritional status of patients. Bachelor's degree in food and nutrition or equivalency, plus an approved internship or traineeship and registration, plus one to two years' directly related experience.

COORDINATOR HOSPITAL CHAPLAINCY PROGRAM — Hershey — Responsible to the Hospital Director for the development and supervision of the hospital chaplaincy program within the hospital. Serve as part of health care team in providing emotional support to patients and their families. Master's degree in theology or equivalent and certification as a chaplain supervisor by the Association for Clinical Pastoral Education with two to three years' directly related experience.

RECORDS, REGISTRATION AND SCHEDULING OFFICER — Capitol — Responsible for coordinating and supervising the scheduling, registration, and records division of the Capitol Campus. Bachelor's degree or equivalent with two or more years' directly related experience in administrative or related educational areas. Management and communication skills and knowledge of the capabilities of automated data processing systems highly desirable.

SENIOR PROJECT ASSOCIATE — Hershey — Responsible to the Chairman and an Associate Provost for the implementation and development of la projects and research projects. Master's degree in physical sciences or equivalency and three to four years' directly related experience.

MEGICAL SOCIAL WORKER II — Hershey — Responsible to the Social Service Coordinator for providing inpatient and outpatient medical social services. Provide practical help and emotional support to patients and their families. Master's of Social Work degree from an accredited college or university and/or equivalency one to two years' directly related experience.

NEWS WRITER-EDITOR — Hershey — Responsible to the Director of Public Relations for the performance of a variety of editing and writing assignments for internal and external publications to include contact with the news media and assistance in community relations, special events, and other activities. Bachelor's degree in journalism, public relations or equivalent, and one to two years' directly related experience.

ELECTRONICS ENGINEER, PHYSICAL PLANT — University Park — Responsible to the Manager, Design and Engineering, for the design and specification of electronics equipment and facilities for the University. Provide electronic engineering consultation for the proper operation, alteration and maintenance of these facilities. Bachelor's degree in electrical or electronic engineering supplemented by four to seven years' directly related experience in electronic design, construction, or maintenance and operation. Registered professional engineer preferred, but additional equivalent education or experience may be substituted.

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Penn State Intercom

News in Brief

Motor vehicle auction June 17

The University will auction 30 vehicles, both vans and sedans, manufactured between 1970 and 1975, beginning at noon on Friday, June 17, at the Salvage and Surplus Warehouse, north of the test flower gardens

New Pattee units created

A two-year management review program at the University Libraries has led to the establishment of two new administrative units, a department of science and technology and a department of humanities and social sciences.

Vladimir Micuda, formerly head of the life sciences library, will direct the department of science and technology, which will be the administrative unit for the life sciences, physical sciences, (including mathematics), engineering, and earth and mineral sciences libraries.

Mr. Micuda has a B.A. in forestry from the University of Zagreb and an M.A. in library science from Indiana University and has been a member of the library faculty since 1966. He was formerly associated with the Mann Library of Cornell University and is the author of numerous articles on the use of computer data base searching in the research process.

Rosanna Allen, formerly head of reference, will direct the department of humanities and social sciences. She will be responsible for services in reference, microforms, government documents, maps, the fine arts (art and architecture and music) and the black studies reading room.

Mrs. Allen, who has an A.B. in literature from Wilmington College and a B.L.S. from Columbia University, has been a member of the Library faculty since 1967. She was formerly librarian for the Rockefeller Foundation and the American Cancer Society.

Artists Series season tickets on sale

Subscriptions to the Artists Series Film and Fine Arts programs are still available for the 1977-78 season.

The Fine Arts series is presenting the Vermeer Quartet on Oct. 21, the Tokyo String Quartet, Jan 6, the Cleveland Quartet, April 14, the Orchestra Camerata of Salzburg, Jan. 12; the New York Renaissance Band, Jan. 20; and Speculum Musicae, April 7.

The comic genius of Harold Lloyd and Buster Keaton will be screened on the Tuesday Film Series. The Wednesday series will offer eight films produced for the American Film Theatre.

4-H sponsors film

University faculty and staff are invited to be guests of 4-H at a performance of *Burbank* at 8 p.m. on Monday, June 20, at Eisenhower Auditorium. No tickets are required.

New journal appears

The first issue of Minority Voices, a new national, multi-ethnic journal of literature and the arts, was released last week.

Published by the Paul Robeson Cultural Center, this refereed scholarly journal will feature articles on literature and the arts as they relate to Afro-Americans, Chicanos, Native Americans and Puerto Ricans. It will encompass 10 major fields of study — literature, painting, sculpture, architecture, photography, music, dance, theatre, cinema and television. Semi-annual publication is planned.

Elaine D. Woodall, a graduate student in art history at the University, is serving as editor. The managing editor is Elmore M. Browne, director of the Robeson center, and Dr. Daniel Walden, professor of American studies, is the book review editor.

Penn State contributors to the first issue include Dr. Thomas A. Hale, assistant professor of French and comparative literature, writing on "Pre-Roots: The Literary Triangle Trade" and Dr. James F. Smith, associate professor of English at Ogontz, writing on "Primitives and Saviors: Cultural Images of Blacks in the 1920s."

Subscriptions to Minority Voices are available for $5 for one year and $9 for two years from Room 101 Walnut Bldg., University Park.

Position established

Roosevelt Green Jr. has been named to the newly created position of Assistant to the Dean of the Graduate School for Minority Affairs. He has served since 1974 as minister at the Macedonia Baptist Church in Harrisburg and, since 1976, has also been pursuing a doctorate in Community Systems, Planning and Development in the College of Human Development.

In his new position, Mr. Green will be responsible to the dean of the graduate school for recruiting and admissions of minority graduate students. He will implement financial assistance programs which specifically support minority graduate recruitment efforts and will coordinate information on recruitment and financial aid for minorities with Penn State's deans and academic department heads.

A native of Athens, Ga., Mr. Green received a B.A. in social studies from Paine College in Augusta, Ga., in 1962. He received a master of divinity degree in 1965 from Morehouse School of Religion in Atlanta and a master of social work degree in 1969 from the University of Georgia.

For fly fishing enthusiasts

Joe Humphrey, assistant professor of physical education and an avid and experienced trout fisherman, will conduct two one-day Fly Fishing workshops, June 24 and 25, at University Park. To provide enrollees with the know-how necessary to catch trout, Prof. Humphrey will demonstrate and discuss fly tying, stream strategies and various aspects of casting. The program runs an entire day, beginning with a 7:30 a.m. breakfast meeting at the Nittany Lion Inn. Participants will spend the afternoon at a nearby trout stream, break for dinner, and reassemble at 6:30 p.m. for demonstration and instruction in fly tying.

To register or to receive further information, contact Continuing Education, Room 309 Shields Bldg., or phone (814) 865-3443.

Senate approves proposal to review insurance plan

The University Faculty Senate has approved a proposal that a committee be appointed by President Oswald and the Senate Chairman to review the University's insurance program.

That action came at the Senate's June 7 meeting, following a discussion of the possible need for increasing current insurance schedules, based on a report from the Subcommittee on Fringe Benefits of the Faculty Affairs Committee.

In other action, Senate heard and approved a recommendation from the Ad Hoc Committee on Experimental Courses, which had carried out a review of the experimental course concept, that the use of experimental courses (198, 498 and 598) be continued, with further review if abuses appear.

Senate also approved the use of four common course numbers, 296 — Independent Studies, 297 — Special Topics, 496 — Independent Studies, and 497 — Special Topics, for seminar or colloquium, independent study, and special topics courses, to simplify the listing of such courses in the Baccalaureate Degree Catalogue. On a motion from Senator Ernest L. Bergman, the Senate Chairman was directed to charge the appropriate Senate committee to prepare implementation procedures for the common course numbers.

A special Senate committee, charged with reconciling recommendations made at the last Senate meeting on a report on the retention and transfer of students in baccalaureate program majors, presented its findings. Senate approved the committee's recommendation that the Senate Chairman ask the appropriate standing committees to prepare specific changes in change-of-major policies in the Policies and Procedures for Undergraduate Students, in line with general guidelines presented by the special committee.

Dr. Thomas E. Daubert, the 1977-78 chairman of the Senate, Dr. Lee W. Saperstein, chairman-elect, and Dr. Evelyn A. Hovanec, secretary, were introduced by retiring chairman Dr. John J. Coyle.

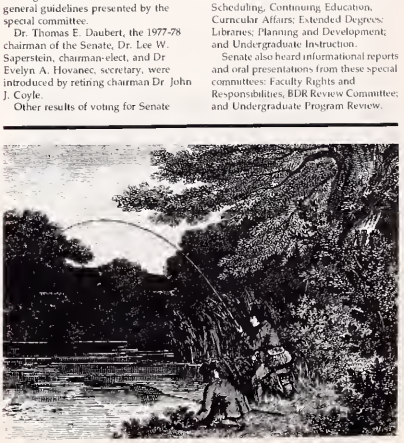
Other results of voting for Senate leadership posts were announced and are as follows.

Dr. Robert S. Friedman, professor and head of the Department of Political Science, Faculty Advisory Committee; Dr. Donald R. Olson, professor and head of the Department of Mechanical Engineering, Faculty Rights and Responsibilities, University Park; Dr. Ronald J. Harshbarger, associate professor of mathematics, Beaver Campus, Faculty Rights and Responsibilities, Campuses other than University Park; Dr. Robert J. Scannell, dean of the College of Health, Physical Education and Recreation, Faculty Rights and Responsibilities, deans' representative; Dr. Carolyn Sherif, professor of psychology, first alternate, and Dr. Benjamin W. Nuebel, professor of industrial engineering and head of the Department of Industrial and Management Systems Engineering, second alternate to Faculty Rights and Responsibilities, University Park; Dr. Eugene J. Kelley, dean of the College of Business Administration, first alternate, Faculty Rights and Responsibilities, deans' representative.

Dr. Ernest L. Bergman, professor of horticulture, Patricia M. Overdeer, professor of mathematics, Ogontz Campus, and Dr. Carl H. Wolgemuth, professor of mechanical engineering, University Promotion and Tenure Review Committee; and Dr. Philip A. Klein, professor of economics, member, and Dr. William Rabinowitz, professor of educational psychology, alternate, Standing Joint Committee on Tenure.

In other action, Senate heard informational reports and oral presentations from these standing committees: Academic and Athletic Standards; Admissions, Records, and Scheduling; Continuing Education, Curricular Affairs; Extended Degrees; Libraries; Planning and Development; and Undergraduate Instruction.

Senate also heard informational reports and oral presentations from these special committees: Faculty Rights and Responsibilities; EDR Review Committee; and Undergraduate Program Review.



PENN STATE COLLECTION

Faculty Notes

Dr. Gerd M. Rosenblatt, professor of chemistry, has been named chairman of the National Research Council Committee on High Temperature Science and Technology. The committee is the principal operating agency of the National Academy of Sciences and the National Academy of Engineering, in Washington, D.C.

Dr. Martin Quinn, assistant professor of English at Beaver Campus, has been selected to serve as a Fulbright lecturer in American civilization at the University of Tehran, Faculty of Letters and Human Sciences, for 1977-78. He will lecture primarily on 19th and 20th century literature. During 1974-75, Dr. Quinn was visiting lecturer in the College of Literature and Humanities, Jundi Shapur University, Ahwaz, Iran.

Dr. Harold R. Sargent, director of the Shenango Valley Campus, presented an invited paper at the Third International Annual Conference on Improving University Teaching at Newcastle-Upon-Tyne, England. The title of the paper was "The Enigmatic Future of Higher Education." The conference, which was held June 8-11, was sponsored by the University of Maryland University College in cooperation with Newcastle-Upon-Tyne Polytechnic and was limited to 250 participants.

Robert Trehy, professor of music, was guest soloist with two major symphony orchestras in May. He performed works by Cole Porter with the Detroit Symphony on May 18 and 19 and on May 25 and 27 sang works by Rogers and Hammerstein with the St. Louis Symphony to open that orchestra's summer festival.

Dr. Marjorie E. Ward, assistant professor of special education, was recently elected president of the CEC Division for Visually Handicapped during the 55th Annual International Convention of the Council for Exceptional Children in Atlanta, Ga. The division, one of 12 in CEC, is made up of members interested in advancing the education and training of persons who are blind or visually limited.

Dr. S. V. Martorana, professor of education and research associate in the Center for the Study of Higher Education, has been elected to a three-year term on the board of directors of the Association of Community and Junior Colleges. The association is the national representative agency for more than 1,000 public and private institutions.

H. Eugene Goodwin, professor of journalism, served during spring term as one of five judges on a national panel assessing journalistic quality in 57 U.S. daily newspapers as part of a Newspaper Survival Study being conducted by Ben H. Bagdikian with a grant from the John and Mary Markle Foundation.

Dr. Andrew Pytel, associate professor of engineering mechanics, has received the College of Engineering's Outstanding Faculty Adviser award.

An exhibit of 45 photographs with text and graphics, prepared by **Ed Leos,** professor of journalism, is on display through the month of June at the Steights Gallery of the Schophoto Foundation in New York City. Title of the exhibit is "Secret Camera: The Legacy of Horace Engle."

Leon F. Lyday, professor of Spanish, recently gave an invited lecture at a symposium on Women in the Hispanic Theatre. His talk was titled "Woman as Character, Woman as Author in the Contemporary Hispanic Theatre." The conference was sponsored by Temple University.

Dr. John P. Lowe, associate professor of chemistry has been named to a one-year term as associate director of the Quantum Chemistry Program of the National Science Foundation (NSF) in Washington, D.C. He will supervise the review of grant applications and make site visits to check progress under existing NSF grants.

Appointments

David L. Howell to assistant professor of agricultural education. B.S., Michigan State U.; M.Ed., Penn State; Ph.D., Ohio State U. Formerly assistant professor, Purdue U.

Francis E. Sharkey to assistant professor of pathology at Hershey. B.S., Fairfield U.; B.M.S., Dartmouth Medical School; M.D., Cornell U. Formerly chief fellow in pathology, Memorial Sloan-Kettering Cancer Center.

Bookshelf

Australian External Policy Under Labor. Content, Process and the National Debate is the title of a new book by **Dr. Henry S. Albinski,** professor of political science. It was published jointly by the University of Queensland Press and the University of British Columbia Press.

The study emphasizes the linkage between external policy outputs and the policy process in Australia, with focus on the recent Labor government experience. It stresses defense and international economics, as well as more conventionally construed diplomatic dimensions. The book is based on field research carried out in Australia, the United States and New Zealand and incorporates both interviews and printed source materials.

Dr. Frank J. Swetz, associate professor of mathematics and education at Capitol Campus, recently co-authored a book, *Was Pythagoras Chinese?* It was published jointly by the Penn State Press and the National Council of Teachers of Mathematics, the largest organization of math teachers in the world. At its spring annual meeting, the council presented Dr. Swetz an award of recognition for his work on the book.

The volume contains a translation and examination of the ninth chapter of the ancient Chinese mathematical classic, *Chiu Chang Suan Shu*. The evidence contained in this chapter presents a strong case for Chinese authorship of the first proof of the proposition, "the sum of the squares of the legs of a right triangle is equal to the square of the hypotenuse" and questions the crediting of this proof to the Greek Pythagoras. Mathematical discoveries are seldom the product of a single individual's genius, Dr. Swetz points out. Often centuries and thousands of miles separate the appearance of the same mathematical scientific theory.

Dr. Swetz, who received his Ed.D. from Columbia University, is also the author of *Mathematics Education in China* as well as of numerous articles. He served in the Peace Corps in southeast Asia from 1964-67.

Obituary

Charles E. Oakes, who served from 1951 to 1976 as a trustee of the University, died June 5 at his Allentown home at the age of 84.

"Mr. Oakes served for 25 years on the University Board of Trustees and for 14 of those years as chairman of the Committee on Finance. His financial counsel, based on his broad business experience, was of special value to the University during the years of rapid growth and expansion," President Oswald said.

Mr. Oakes served from 1945 to 1963 as president of the Pennsylvania Power and Light Co. He was a director and chairman of its board until 1967.

Calendar

June 16-26

Special Events

Friday, June 17
Add deadline (10-week summer term.)
Last date for registering with foreign language departments (other than French and Spanish) for written language examinations.

Saturday, June 18
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.

Sunday, June 19
P.S.O.C. Hiking Division, hike on Golden Eagle Trail on Pine Creek, 9 a.m., HUB parking lot.

Monday, June 20
Last date for August graduates to pay theses fees at Bursar's office and to activate diploma cards in Registrar's office.
Intramural sports' entry open for men's and women's singles in handball. Entry close, noon, Thursday, June 23. Intramural Bldg.
Color Slide Club meeting. Competition topic, "Children and/or Pets at Play"; program topic, Stephanie Knopp on "Photography and the Graphic Arts"; 7:30 p.m., Room 112 Kern.
4-H sponsored performance of *Burbank* by Iron Clad Equipment, an experimental and educational performing group, 8 p.m., Eisenhower Auditorium. Free admission.

Wednesday, June 22
Registration (8-week summer term), Intramural Bldg.
G.S.A. Commonsplace Theatre, *Straw Dogs*, 7:30 and 9:30 p.m., Room 112 Kern.

Thursday, June 23
Festival Theatre, Kauffman and Ferber, *The Royal Family*, 8 p.m., Pavilion Theatre.

Friday, June 24
Pass/fail deadline (10-week summer term).
College of Health, Physical Education and Recreation Fly Fishing workshop, all day
Behind the Scenes with *The Royal Family*, 3 p.m., Pavilion Theatre. Free admission.
Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre.

Saturday, June 25
College of Health, Physical Education and Recreation fly fishing workshop, all day. For information or registration, telephone 865-3443.

Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.
Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre.

Sunday, June 26
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East
P.S.O.C. Hiking Division, build bridge on Mid State Trail with picnic supper, 9 a.m., HUB parking lot.
Opening reception for M.F.A. exhibit by Tom Lane and Stephanie Knopp, 3 p.m., Zoller Gallery
Festival Theatre, *The Royal Family*, 7:30 p.m., Pavilion Theatre

Seminars

Tuesday, June 21
Microbiology and Cell Biology, Richard S. Hanson, University of Wisconsin, on "Carbon Metabolism in Microorganisms," 4 p.m., Room S2 Frear.
Friday, June 24
Food Science/Dairy and Animal Science, Math Kreula, University of Helsinki, on "Aspects of the Metabolism of ^{14}C-labelled Compounds by Cows on a Protein-free Feed with Urea and Ammonium Salts as the Sole Source of Nitrogen," 11 a.m., Room 111 Animal Industries Bldg.

Exhibits

HUB Gallery: Smithsonian Institution exhibit, "Photographing the Frontier."
Kern Commons Gallery: Richard Holodick, photographs, through June 18; Henry Fiore, paintings, through June 25; "20th Anniversary of Festival Theatre," opens June 18, Larry Dumm, paintings, opens June 25.
Museum of Art: American paintings from the collection of Daniel J. Terra; The Realist Tradition in American Art: selections from the permanent collection.
Museum of Art HUB Gallery: African Art, Nigerian and Benin objects from the collection of Dr. and Mrs. John Swanson.
Playhouse Gallery: "20 Years of Festival Theatre," photographs and related memorabilia.
Sackett Gallery: visual communication products in Systems — drawings and three dimensional models.
Zoller Gallery: Florence Eck, retrospective exhibition of paintings, through June 17; M.F.A. exhibit by Tom Lane, ceramics, and Stephanie Knopp, graphics, opens June 25.
Pattee Galleries: photographs from the Historic Registration Project of Centre County, East Corndor Gallery; Herman Love, photographs, Lending Services Lobby, through June 20.

Funding Sources

For further information, call 865-1372

(272-1) The Exxon Education Foundation will support projects that promise to lead to wide **improvement in administration or in physical facilities utilization** in higher education. Exxon will fund pilot projects, development and evolution efforts, and studies under the Education Research and Development Program. Closing dates for preliminary proposals are Sept. 1, Dec. 1, March 1, and June 1. Prior to these submissions a **preliminary outline** of the proposed project is required. (Ref. EEF, ER&D folder)

(272-2) The NSF Division of (Science and Technology) **Policy Research and Analysis** (International) has issued draft guidelines for the 1977-78 extramural research program. Principal interests include effects of public policy on science and technology (S&T), emerging S&T, innovation management, energy resource policy, and socio-economic effects of S&T. (Ref. ibid. draft program)

(272-3) NSF/RANN has issued a program announcement for **Technology Assessments in Selected Areas** centering "on methodological improvements and studies to enhance the utilization of results." There is no deadline, but six months are required for proposal review. (Ref. NSF 77-25)

(272-4) The National Institute of Education announces a program of support for education and work research studies on **Women and Mathematics** (career awareness) and **Occupational Change and Assessment for Career Preparation** (career preparation). The proposal deadline is July 7. (Ref. NIH guideline, spring 1977)

(273-1) The American Council of Learned Societies (ACLS) announces its 1977-1978 **Aids to Individual Scholars.** Programs include **Fellowships** (9/30/77), **grants-in-aid** (9/30/77) and **research fellowships** (11/1/77) for recent recipients of the Ph.D., **travel grants** to humanists for international meetings (3 deadlines/year), and **study fellowships** (11/15/77).

Emphasized are Chinese studies (12/1/77), Chinese civilization research (12/1/77), East European studies (12/30/77), and grants-in-aid (1/1/77) for the preceding. There are also **ad hoc grants** for short-term scholarly contacts supported by the International Research and Exchanges Board (IREX) with four quarterly deadlines (9/30-5/31). (Ref. ibid)

(273-2) The **National Endowment for the Arts** announces some rapidly approaching deadlines in advance of an FY1978 Guidelines — Regional Development: Media Center (7/15/77), Aid to Film/Video Exhibitions (8/15/77), In-Residence Workshops (10/25/77), Services to the Field (8/1/77). (Ref. NEA Memo)

(273-3) Grants for **research in computer science** are made by the National Science Foundation. Topics of current interest include theoretical computer science, software systems science, software engineering, intelligence systems, computer systems design, and special projects including studies and workshops. The next deadline is Nov. 1 (Ref. NSF 76-20)

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June 23, 1977 Volume 6, Number 19

Penn State Intercom



Odetta

PBS to air PSU Bicentennial hit

Be *Glad Then America*, the highly acclaimed musical drama which the University produced as part of its Bicentennial celebration, forms the subject of a television special to be seen at 9 p.m. on Monday, July 4, on the Public Broadcasting Service (PBS). WPSX will repeat the program for University Park viewers at 3:30 p.m. on Sunday, July 10.

"*Be Glad Then America*. . . A Documentary" was produced by WPSX as a continuing education and community service of the College of Arts and Architecture. The executive producer was Robert C. Dudley; producer-director, William Gary Perdue; cinematographer, Robert Zeichner; and audio, David McCarty.

The opera, written by John LaMontaine and produced under the artistic direction of Sarah Caldwell, was commissioned by the Institute for the Arts and Humanistic Studies especially for the Penn State Choirs conducted by Raymond Brown, professor of music. The premiere performances, which took place in February 1976, featured the Pittsburgh Symphony Orchestra and soloists Donald Gramm, Richard Lewis, David Lloyd and Odetta.

The TV documentary follows the chours, symphony orchestra and soloists as they worked with Sarah Caldwell and University faculty and students to prepare for the world premiere.

Excerpts from the performance are woven into scenes which explore backstage rehearsals, set design, costuming, staging and various other aspects of the production.

An Open Letter to the University Community

You should be aware that contract negotiations between Penn State and its technical service employees, which began in January, are now ended. On June 30, members of Teamsters Union Local No. 8 will vote to accept or reject the University's final offer, consisting of a total salary increase of 5% and a compensation increase of 6.8%. Because of the importance of this matter to the total University community, I want to report on the nature of the contract offer and how the vote will affect you — the faculty, staff, and students.

Last year the membership of Teamsters Union Local No. 8 approved a two-year contract with a reopener clause for (a) negotiations on wages for the period July 1, 1977, to June 30, 1978, (b) improvements in the surgical schedule and (c) free dependent coverage for the health insurance program.

The leadership of the Union and representatives of the University have been engaged in negotiations on these items for the last several months. The University's final offer provides for a 5% increase in wages, which is within the budget approved by the Board of Trustees and fully comparable with increases received by other groups of University employees. The contract offer also provides for improvement in the UNICARE surgical schedule, increasing the maximum benefit from $450 to $750. The maximum benefit for each individual surgical procedure has been increased by some 67 percent. In addition, the basic maternity benefit (doctor's fee for normal delivery) has increased from $150 to $350. The cost to provide these increases, including additional contributions for social security and the State pension plan, amounts to 6.8%. During negotiations, the demand for free dependent coverage for health insurance was withdrawn by the Union.

In short, the University has offered an increase in wages and an improvement in fringe benefits fully comparable with the wage and benefit increase that will be received by other groups of University employees effective July 1, 1977.

The Union leadership asked for an 8 percent wage increase and has announced its intention to recommend to the membership of the Union rejection of the contract offer. The University is not able to meet this wage demand.

Why didn't the University offer more? What would happen in the event of a strike?

The answer to the first question is that Penn State is entering into the most austere budget year it has faced in recent history. The budget approved by the Board of Trustees at the May meeting required the University to close a $14.5 million gap (exclusive of the Milton S. Hershey Medical Center) between our State appropriation request and the recommendation in the Governor's budget. It was necessary to eliminate $3 million proposed in the budget request to restore previous cuts; to eliminate critically needed expenditure increases of $3.7 million; to make internal budget cuts of $3.2 million; and to increase tuition by $4.6 million.

Although the budget approved by the Board of Trustees assumed a $3 million increase in the University's State appropriation, it is still not certain that the Legislature will vote to approve this increase. Failure by the Legislature to approve the $3 million increase would again throw our budget out of balance, and could result in a second round of tuition increases and further serious cuts in programs.

The University, with Board approval, has seen fit to proceed with salary increments on July 1, 1977 at the 5% level even though the $3 million increase from the State on which such increments are based has not been finalized. We are in no position to go further.

Turning now to the second question, what are the implications of a strike by the technical service employees? If two-thirds of the Union members voting reject the final contract offer, the Union leadership will be authorized to call for a strike.

If such a strike is called by the Union leadership of the technical service employees, the University will remain open and will continue to operate its academic programs and essential services. Inconveniences will certainly occur, but contingency plans have been made by each unit throughout the University to cope with a potential work stoppage.

It is my fervent hope that an understanding of the University's fiscal situation will prevail, and an early contract settlement will be reached, which will avoid a strike.

Sincerely,

John W. Oswald

Contemporary dance group to perform

The London Contemporary Dance Theatre, which has established itself as England's foremost contemporary dance ensemble, will appear on Saturday, July 9, as the opening event of Nittany Mountain Summer Spectrum. The performance is scheduled at 8 p.m. in Eisenhower Auditorium.

Founded in 1969 by Robert Cohan, a former student of Martha Graham, the Dance Theatre performs regularly at its own theatre, The Place, in London. This summer, it will appear at the Amencan Dance Festival in New London, Conn., the Wolf Trap Performing Arts Center near Washington, D.C., and the Ambler Music Festival in Philadelphia.

Tickets are available by mail order through June 25 and at the Eisenhower Auditorium box office (814) 863-0255 Monday through Saturday from 10 a.m. to 4 p.m.



PENN STATE COLLECTION

Faculty Notes

Dr. Allan Rodgers, professor of geography, has been named an Honorary Fellow of the Italian Geographical Society. Dr. Rodgers is the author of numerous papers having to do with the economic geography of Italy.

The Deutsche Gesellschaft für Photographie (German Society for Photography) has elected **Dr. Heinz K. Henisch,** professor of the history of photography, a Corresponding Member. Corresponding Membership is the designation given to an Honorary Membership in the case of non-German nationals. The award is made for "general services to photography." Dr. Henisch is editor of History of Photography, an international quarterly, and the principal scholarly journal in the field.

Dr. Asa J. Berlin, professor of speech pathology, has received the 1977 American Cleft Palate Association Distinguished Service Award. He was cited for his services on three of the association's committees and as its historian, as well as for his "stimulating teaching" and his effective work as a member of cleft palate teams. The American Cleft Palate Association, founded in 1943, has more than 1,500 members. It is an interdisciplinary professional society interested in the welfare of persons with a cleft palate and associated deformities of the mouth and face.

Drs. George W. Gokel and **Gregory L. Geoffroy,** assistant professors of chemistry, were both invited plenary lecturers at a joint meeting of the American Chemical Society and the Canadian Institute of Chemistry held recently in Montreal. Prof. Gokel's talk was titled "Mixed Media Condensation Chemistry" while Prof. Geoffroy spoke on "Photochemistry of Transition Metal Hydride Complexes." Dr. Geoffroy also presented seminars at the Upjohn Company and the New York Academy of Sciences Symposium on the Synthesis and Properties of Low-Dimensional Materials, and Dr. Gokel gave an invited lecture at the Dow Chemical Company Central Research Facility in Boston.

Eric R. Bell has been promoted to assistant professor of education at Hazleton, effective July 1.

In the promotion list, **Dr. Theodore R. Graham's** appointment should have appeared as associate professor of humanities and English at Capitol Campus.

Bookshelf

Dr. Gregory L. Naber, assistant professor of mathematics at Delaware County, has published a 706-page volume entitled *Set-Theoretic Topology. With Emphasis on Problems from the Theory of Coverings, Zero Dimensionality and Cardinal Invariants* through University Microfilms International. The book was sponsored by the Department of Mathematical Sciences, Memphis State University.

Dr. Robert G. Weaver, professor of English, and **Patricia C. Weaver,** who has taught courses in business and technical writing at the University, are co-authors of a book, *Persuasive Writing, A Manager's Guide to Effective Letters and Reports,* published this spring by THE FREE PRESS, a division of Macmillan Publishing Co. The volume is written for managers, supervisors, secretaries, administrative assistants, and others who are not professional writers but must write in a professional manner.

Included are such topics as "How to Analyze Your Letter Writing," "How to Make Your Report Effective," "How to Construct Good Sentences," "How to Punctuate," and "How to Choose the Right Word." The book has been accepted by three major book clubs.

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Editor's Note: The professional contributions made by Penn State faculty members are so numerous that INTERCOM has been unable to print all the news items sent in for the Faculty Notes page. To assure adequate space to significant contributions, we asked the College research deans to suggest guidelines which could be used to screen submissions and also consulted with the Vice President for Research and Graduate Studies and the University Senate Committee on Research. The results are embodied in the following criteria. Henceforth, INTERCOM will publish news of both faculty and staff who:

1) Receive a national honor;
2) Are appointed to prestigious national committees;
3) Are appointed editor-in-chief of a journal;
4) Present invited colloquia or lectures at a major educational institution;
5) Present papers at an international meeting;
6) Are invited plenary speakers at a national meeting;
7) Receive awards for outstanding papers or special awards from a national professional society;
8) Are elected fellows of a nationally recognized society;
9) Are appointed to important statewide posts;
10) Receive such awards as Guggenheim, Fulbright or NATO fellowships;
11) Are selected as visiting scholars by another major university;
12) Are elected to office in a national or state society;
13) Make a significant contribution through publication of a book; or
14) Make significant contributions in areas such as the arts or music which may not fit under the above categories.

INTERCOM will no longer carry news of papers presented at national meetings or papers published in journals. News of internal appointments, 25-year-service awards and retirements will continue to appear.

Retirements



Dr. Carroll C. Arnold, an authority on speech criticism and rhetorical theory, will retire July 1 with the rank of professor emeritus of speech communication.

The history of theories about communication, from the Greeks to the present time, has been the subject of much of Dr. Arnold's research, and he has been active in studies that cross traditional disciplinary lines. In particular, he has worked closely with Penn State faculty members in the departments of philosophy, sociology, psychology and journalism.

A native of Centerville, S.D., Dr. Arnold came to Penn State in 1963 from Cornell, where he was chairman of the Department of Speech and Drama. Prior to joining the faculty at Cornell in 1946, he served in the intelligence branch of the U.S. Air Force and before that was instructor of speech at the Pennsylvania College for Women, Pittsburgh, and the University of Akron in Ohio.

Dr. Arnold received his B.A. from Sioux Falls College and his M.A. and Ph.D. in speech from the University of Iowa. He is the author of six books and co-founder, former associate editor, and member of the editorial board of the journal, Philosophy and Rhetoric, published at Penn State.

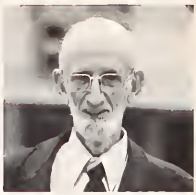


Dean Asquith, professor of entomology at the Fruit Research Laboratory in Biglerville, will retire July 1 with emeritus rank.

The senior fruit entomologist at the laboratory, Prof. Asquith has been conducting and supervising research on the control of insect and mite pests of deciduous fruits since he joined the University in 1948. His most recent project has been the development of an integrated pest control program using natural predators to control mites. In recognition of this work, Prof. Asquith was presented the Outstanding Leadership Award of the State Horticulture Association of Pennsylvania in 1970.

The author or co-author of over 125 scientific and popular articles on entomology and orchard pest control, Prof. Asquith recently chaired a committee which prepared an Environmental Protection Agency handbook of acceptable test methods for insecticides for deciduous trees.

A native of Lowell, Mass., Prof. Asquith is a graduate of the University of Massachusetts, where he majored in entomology. He returned there in 1939 to earn a master's degree in entomology.



Alden R. Hodgen, associate professor of engineering at the Ogontz Campus, will retire July 1 following almost 25 years of service. He was appointed as a district representative in General Extension (now Continuing Education) in August 1952 and an instructor in engineering in 1954. A graduate of the University of Massachusetts, with a master's from the University of Pennsylvania, Mr. Hodgen is Statewide program chairman for the two-year mechanical engineering program. He was the first president of the first faculty organization at the Ogontz Campus and served as parliamentarian for many years. He was also faculty adviser for the student chapter of the Society of American Military Engineers, and he was named the campus Chief Ogontz by the student government association in 1966.

Oscar A. Kimmel, associate professor of farm mechanics and undergraduate consultant in agriculture, will retire on July 1, completing 20 years of service.

Prior to coming to Penn State, he taught vocational agriculture at several high schools and served for seven years as the first State supervisor of Soil Conservation Districts with the Pennsylvania Department of Agriculture.

In addition to teaching a number of agricultural engineering subjects at Penn State, Mr. Kimmel visited 700 high schools across the State to keep guidance counselors informed about opportunities in agriculture.

Mr. Kimmel is a 1934 graduate of Shippensburg State College with a B.S. in mathematics and science. His M.S. in agricultural education was conferred by Penn State in 1945.



Dr. John D. McAulay, chairman of the social studies education faculty in the College of Education, will retire July 1 with the rank of professor emeritus of education. Dr. McAulay, a native of Calgary, Alberta, Canada, joined the Penn State faculty in 1958 as a professor of elementary education.

He was formerly director of education at Southern Oregon College, Ashland, Ore., and was a Fulbright Scholar in Australia and New Zealand. He earned a B.A. degree in the classics and a B.A. degree in education from the University of Alberta. His M.A. degree was conferred by the University of British Columbia, and he earned his doctor of education degree in curriculum and geography from Stanford University.

During his career Dr. McAulay has served as visiting professor to eight universities.



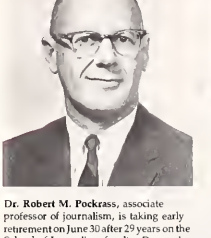
Except for trips to his cabin in the Cascade Mountains of Oregon, **Dr. Will E. Mason,** professor of economics, will remain in the State College area following his retirement July 1 and will continue to advise several graduate students. He has been awarded the rank of professor emeritus of economics.

Dr. Mason came to Penn State in 1956 as an associate professor of economics after teaching at Washington and Jefferson College, the University of Buffalo, Princeton University, the University of Washington and Multnomah College in Portland, Ore.

A native of Klamath Falls, Ore., he received his B.A. in English from Pacific University, his M.A. in economics from the University of Washington, and his Ph.D., also in economics, from Princeton, where he held a Wyman Fellowship.

He held a Ford Foundation Postdoctoral Faculty Research Fellowship in 1959-60 and spent the year doing research on monetary theory and the concept of cost-push in inflation. That research eventually led to the publication of a book, *Clarification of the Monetary Standard,* which won the University's Louis H. Bell Memorial Award for 1963, an award honoring outstanding scholarly books.

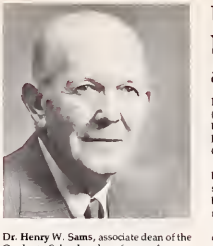
Dr. Mason was named a Liberal Arts Research Scholar by the College of the Liberal Arts for the fall and winter terms in 1965.



Dr. Robert M. Pockrass, associate professor of journalism, is taking early retirement on June 30 after 29 years on the School of Journalism faculty. During his career at Penn State he taught more than 20 courses, including radio news and advertising, but his specialties were popular culture, public opinion, mass media and society, and international communication.

Dr. Pockrass came to Penn State in 1948 after having spent a year at the University of Illinois, where he served as a teaching assistant and completed a master's degree in journalism. In 1960, he received a Ph.D. in mass communications research from Stanford University. He is a 1938 Journalism graduate of the University of North Carolina.

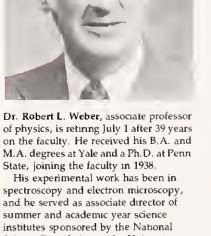
Before he turned to teaching, he worked for Fairchild Publications in New York, the Fitchburg (Mass.) Sentinel, the Union (N.J.) Register, and Associated Business Publications, also in New York. He also spent two summers working in the field after he became a professor — one with radio station WMAZ in Macon, Ga., and the other with the Hartford (Conn.) Times.



Dr. Henry W. Sams, associate dean of the Graduate School and professor of English, will retire July 1 after nearly 20 years on the Penn State faculty. He has been awarded the rank of professor ementus of English and associate dean emeritus of the Graduate School.

Dr. Sams came to Penn State in 1959 as professor of English and head of the Department of English. In 1972 he relinquished the department chairmanship to accept other responsibilities but continued teaching in the department. For several years he edited the Journal of General Education, published by the Penn State Press, and he has served on the editorial board of that publication since its inception in 1945.

Born in Clarksville, Va., Dr. Sams received his bachelor of arts and master of arts degrees from Oberlin College and his doctor of philosophy degree from the University of North Carolina. Before joining the University faculty, he taught at Oberlin, the University of North Carolina, The Citadel, the University of Chicago, and Queens College. During World War II he served as an officer in the U.S. Navy.



Dr. Robert L. Weber, associate professor of physics, is retiring July 1 after 39 years on the faculty. He received his B.A. and M.A. degrees at Yale and a Ph.D. at Penn State, joining the faculty in 1938.

His experimental work has been in spectroscopy and electron microscopy, and he served as associate director of summer and academic year science institutes sponsored by the National Science Foundation at the University during 1955-59. He also directed NSF summer programs at Colorado State University and Yale.

Beginning with the publication of *Heat and Temperature Measurement* in 1941, Dr. Weber has been author or coauthor of some 15 textbooks. His anthology of humor, *A Random Walk in Science* (1973), became the first of the popular interest books published annually at Christmas by the Institute of Physics. Dr. Weber served on the editorial board of The Review of Scientific Instruments, as a reviewer for the AAAS Science Books and Films, and on the editorial board of the Penn State Press.

During his career at the University, Dr. Weber has taught some 20 different graduate and undergraduate courses. He has served on numerous all-University and College committees and was chairman of the Senate Committee on Scholarships.

UNICARE benefits rise after July 1

Improvements in the surgical benefits (including maternity) provided by the University's group UNICARE program have been announced by President Oswald.

The effective date for these changes will be July 1, 1977, for all insured faculty and staff except those covered by collective bargaining agreements currently under negotiations.

The first improvement is in the schedule of physician fees covering all surgical procedures. Under the new schedule, the benefit for each individual surgical procedure has been increased by approximately 67 percent. For example, the surgical benefit for an appendectomy was formerly $165; it will now be increased to $275. Similarly, the surgical benefit for a gall bladder removal will rise from $262 to $437.

Formerly, the maximum payment for a surgical procedure was $450, depending upon the complexity of the operation. This has been increased to $750. Charges in excess of the surgical benefits paid by the new schedule are normally eligible for major medical coverage.

The benefit covering the physician fee for normal delivery of a child has been increased by 133 per cent, from $150 to $350. In addition, payment of costs for maternity care has been increased from a maximum of $450 to $600.

In commenting on these improvements, Dr. Oswald said: "It is our hope that this will bring the University's plan closer to meeting escalating costs.

"These changes," he added, "are indicative of the University's continued commitment to provide a comprehensive, up-to-date medical insurance program for the protection of University employees.

"I am especially pleased to announce that the increased costs for these changes are being handled within the overall insurance funding and that faculty and staff members will not be asked to make additional payments."

IRS issues tables

As a result of the Tax Reduction and Simplification Act of 1977, the Internal Revenue Service has issued new withholding tax tables effective June 1, 1977.

The act increases the standard deduction for most individual taxpayers, thereby reducing their taxes and their withholding. The standard deduction becomes a flat amount, as follows:

	New Flat Amount	Old Maximum Amount
Married, filing jointly	$3,200	$2,800
Single	2,200	2,400
Married, filing separately	1,600	1,400

It should be noted that the new $2,200 standard deduction for single persons is $200 less than the maximum standard deduction that applied in 1976. This $200 decrease will mean a tax increase in 1977 for some single persons.

Employees who have been claiming additional withholding allowances based on itemized deductions should review their withholding situation in light of the new law. The values in the table for determining additional withholding allowances based on itemized deductions have been changed to reflect the change in the standard deduction.

New W-4 Forms (Employee's Withholding Allowance Certificate) reflect the changes made by the Tax Reduction and Simplification Act of 1977 and are available at the Payroll Department or through department heads and supervisors.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be received until 5 p.m., June 30 **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

As provided by the procedures for control of new hiring and promotion, staff vacancies will be announced only when granted an exception by the cognizant senior University officer.

COLLEGE HEALTH NURSE — IN-PATIENT AND EMERGENCY ROOM, OFFICE OF STUDENT AFFAIRS, RITENOUR HEALTH CENTER — University Park Responsible to Head, College Health Nurses, In-Patient and Emergency Room, for providing nursing service to the In-Patient Service Area and for the Emergency Room and assisting licensed physician and dentist with in-patient care. Graduate of an accredited nursing program or its equivalent and current licensure in Pennsylvania as a registered nurse, plus six to nine months of directly related experience. Continuous nine month position.

DIRECTOR, MEDICAL COMPUTER CENTER — Hershey Responsible to the Associate Provost for Administration for the operation and administration of the Medical Computer Center. Bachelor's degree, background in mathematics and physics. Four to seven years of experience in the computer field.

ADMINISTRATIVE ASSISTANT, COLLEGE OF AGRICULTURE — University Park Responsible to Dairy Extension Specialist for implementation of approved program through assigned administrative functions which include financial management and supervision of employees of The Pennsylvania Dairy Herd Improvement Association. Bachelor's degree in dairy science or equivalent area and two to four years of directly related experience in administrative work.

STAFF PHARMACIST — Hershey Responsible to the Assistant Manager or Pharmacy Supervisor to perform pharmaceutical functions of in-patient and outpatient dispensing, intravenous admixture and hyperalimentation preparation, extemporaneous compounding, providing drug information to physicians, students, nurses and patients. Maintain inpatient and outpatient drug profiles, enforce Formulary regulations, and maintain required pharmaceutical records and inventory levels. Bachelor of science in pharmacy, plus one to two years of related experience. Pennsylvania registration in pharmacy or eligibility required.

PATIENT UNIT COORDINATOR — Hershey Responsible to the Director of Nursing Service for the operation of the patient unit, including nursing care activities, the coordination of patient care services, and maintaining acceptable standards of good patient care, plus operation of the area in the most efficient and economical manner. Bachelor's degree in nursing or equivalent plus three to four years of related experience.

Funding Sources

For further information, call 865-1372

(274-1) The National Science Foundation supports an **Arctic Research Program** and has announced a deadline of Sept. 1. Proposals are solicited in geology-geophysics, biology, oceanography, meteorology, glaciology, and upper atmospheric physics. (Ref. NSF 77-31)

(274-2) The Energy Research & Development Administration (ERDA) supports a **Faculty Development Program** to develop high school and college faculty understanding of the development and use of energy resources. The next deadline for "Faculty Development Projects for Energy" is Oct. 14. (Ref. Ind Guide)

(274-3) The NSF Office of Program Integration has announced a program evaluation solicitation for six programs and a July 15 deadline for applications. The six are: 1) **Comprehensive Assistance to Undergraduate Science Education Program** (CAUSE), 2) **Research Initiation and Support Program** (RIAS), 3) **Instructional Scientific Equipment Program** (ISEP), 4) **Local Course Improvement for Undergraduate Science Education Program** (LOCI), 5) **Undergraduate Research Participation Program** (URP), and 6) **Women in Science Career Facilitation Program.** (Ref. SE 77-70)

Maple Room open

The Maple Room is open for lunch and dinner during summer term, with students in FSHA 330 preparing the meals. Lunch will be served from 11:45 a.m. to 12:45 p.m. and dinner from 5:15 to 6:15 p.m. Service will be cafeteria style, and no item on the menu will be priced in excess of 95 cents

Calendar

June 23-July 3

Special Events

Thursday, June 23
Maple Room hours, Monday-Thursday, 11:45 a.m.-12:45 p.m. and 5:15-6:15 p.m. Cafetena style, all term. Henderson Human Development Bldg.
Shaver's Creek Nature Center, dusk walk. 6:30 p.m., Stone Valley.
Festival Theatre, Kaufman and Ferber, *The Royal Family*, 8 p.m., Pavilion Theatre.

Friday, June 24
Pass/fail deadline (10-week summer term).
College of Health, Physical Education and Recreation fly fishing workshop, all day. For information or registration, telephone 865-3443.
Food Science/Dairy and Animal Science Seminar, Matti Kreula, University of Helsinki, on "Aspects of the Metabolism of 14-C labelled Compounds by Cows on a Protein-free Feed with Urea and Ammonium Salts as the Sole Source of Nitrogen," 11 a.m., Room 111 Animal Industries Bldg.
Behind the Scenes with *The Royal Family*, 3 p.m., Pavilion Theatre. Free admission.
Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre.
Shaver's Creek Nature Center, "ghoulies and beasties and things that go bump in the night," 8:30 p.m., Stone Valley.

Saturday, June 25
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.
College of Health, Physical Education and Recreation fly fishing workshop, all day.
Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre.
Shaver's Creek Nature Center, nature movies, 9 p.m., Stone Valley.

Sunday, June 26
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East
P.S.O.C. Hiking Division, build bridge on Mid State Trail with picnic supper, 9 a.m., HUB parking lot.
Opening reception for M.F.A. exhibit by Tom Lane and Stephanie Knopp, 3 p.m., Zoller Gallery.
Shaver's Creek Nature Center, wildflower discovery walk, 3 p.m., Stone Valley.
Festival Theatre, *The Royal Family*, 7:30 p.m., Pavilion Theatre.

Monday, June 27
Pass/fail deadline (10-week summer term).
France-Cinema presents *La Bete Humaine*, a film by Jean Renoir starring Jean Gabin and Simone Simon, 7 p.m., Room 112 Kern.

Tuesday, June 28
Drop deadline (10-week summer term).
Pass/fail deadline (10-week summer term).
Course repeat deadline (10-week summer term).
College of Education PDK Summer Lecture. Dean Henry Hermanowicz, president of AACTE, on "Teacher Education: The National Scene," 2:30 p.m., Room 112 Kern. Tickets at Kern Information Desk.
Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre.

Wednesday, June 29
Phi Delta Kappa Fast Back Seminar. Gary P. Johnson on, "Schools without Property Taxes," and "Equity in School Financing," 10 a.m., Room 101 Kern.
G.S.A. Commonsplace Theatre, *The Great Waldo Pepper*, 7:30 and 9:30 p.m., Room 112 Kern
Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre.

Thursday, June 30
Add deadline (8-week summer term).
Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre.

Friday, July 1
Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre.

Saturday, July 2
Terrace Room closed.
Kern Graduate Bldg. closed.
P.S.O.C. Hiking Division, backpack on the Chuck Keiper Trail, through July 4
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.
Last date for August graduates to deliver doctoral theses to committee.
Festival Theatre, *The Royal Family*, 2:30 and 8 p.m., Pavilion Theatre

Sunday, July 3
Terrace Room closed.
Kern Graduate Bldg. closed.
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East
Festival Theatre, *The Royal Family*, 7:30 p.m., Pavilion Theatre.

Exhibits

Chambers Gallery
Richard Hamwi, drawings, Philip E. Magaldi, weavings; Denise L. Stone, ceramics

HUB Gallery
Smithsonian Institution exhibit, "Photographing the Frontier," through June 30; Smithsonian Institution exhibit, "American Coverlets," opens July 1.

Kern Commons Gallery
Henry Fiore, paintings, through June 25; "20th Anniversary of Festival Theatre," through July 2; Larry Dumm, paintings, opens June 25.

Museum of Art
American paintings, from the Collection of Daniel J. Terra; The Realist Tradition in American Art.

Museum of Art HUB Gallery
African Art, Nigerian and Benin objects from the collection of Dr. and Mrs. John Swanson.

Playhouse Gallery
"20 Years of Festival Theatre."

Sackett Gallery
"Systems," drawings and three-dimensional models

Zoller Gallery
M.F.A. exhibit by Tom Lane, ceramics, and Stephanie Knopp, graphics, June 25-30.

Stadium bids approved by Board

The Trustees of the University have accepted bids for expansion of Beaver Stadium from 60,192 seats to 76,017 seats and authorized the awarding of contracts not to exceed $4,400,000 in construction costs and $4,930,000 in total project costs.

The action was taken at a special June 17 meeting called after the Board was informed on May 27 that bids for the project were above the $4,930,000 that had been authorized last March for the expansion. The project was rebid to make all non-revenue generating aspects of the Stadium alterations as alternates.

The successful bidder is H B. Alexander & Son, Inc., Harrisburg. The low bid, with appropriate alternates, is for $4,338,000.

The recommendation to the Board excluded earlier plans for expansion of press box facilities and construction of certain rest room/concession facilities at the ground level. These revisions brought the Stadium project within range of the funds initially authorized.

The Stadium expansion will involve raising the existing steel stands and press box 12 feet and providing additional new seats as follows: 7,235 seats in 40 rows in new concrete stands at the south end of the Stadium; replacing 4,960 seats that are now provided in temporary stands, 13,350 seats in 20 rows provided by concrete stands to be built inside the existing west, north and east stands, and 200 seats made possible by alterations to the existing steel stands. The net increase is 15,825 seats.

The alternates approved by the Board include rest room facilities at ground level for the handicapped; addition to the existing elevator to make it operable for an additional 12½ feet; construction of four additional rest room/concession buildings at the intermediate level; installation of one large, higher speed elevator at the rear of the existing press box to assist movement of the handicapped, persons with health problems, and others, not only to the press box but to higher levels in the stadium, and the installation of a new 225 KVA transformer.

Arts Roundup



Richard Edelman

"The Royal Family" premieres tonight

A former Penn State faculty member, Richard Edelman, has returned to campus to direct *The Royal Family*, which opens tonight (Thursday), the initial offering of Festival Theatre. Mr. Edelman, now a professor at Boston University, served as artistic director of Festival Theatre for five years.

The Royal Family was written by George S. Kaufman and Edna Ferber. The Barrymore and Drew theatre dynasties furnished the inspiration for the script, which depicts the domestic intrigues of a family of brilliant actors.

Originally opened on Broadway in 1927, the play was successfully revived in 1975. Clive Barnes in the New York Times noted: "There are some gorgeously corny old plays that come up more gorgeous than corn. *The Royal Family* is of that somewhat undistinguished but charming company . . . It is the kind of play that makes craft into an art and craft itself becomes artistic."

The cast includes Leon B. Stevens, Rose and James Pickering, Kate Wilkinson, Max Gulack, Lydia Bruce, Gerald Richards, Jonathan Frid and Janette M. Burns, all members of Actors Equity. The play can be seen at the Pavilion Theatre June 23, 24, 25, 26 and 28 and July 3, 5, 6, 7, 8 and 9 with a 2:30 p.m. matinee July 2. Evening performances are at 8 p.m. Tuesday through Saturday and 7:30 p.m. on Sunday. Tickets are on sale at the Playhouse box office from 10 a.m. to 9 p.m. or may be ordered by calling (814) 865-1884

French films to be shown during summer term

France-Cinema will present four films this term, beginning Monday, June 27, with screenings of *La Bete Humaine* at 7 and 9 p.m. in Room 112 Kern Bldg. The 1938 film was directed by Jean Renoir and stars Jean Gabin and Simone Simon. It deals with the plight of a railroad engineer whose bitterness over his heritage has left him with a sporadic compulsion to kill. He finds happiness for the first time in his life when he falls in love with the beautiful, young wife of a railroad executive, but gradually the tensions and complications of the affair overwhelm him.

Other offerings are *Chronicle of a Summer – Paris – 1960*, a cinema verite film, on Friday, July 15; Robert Bresson's *Diary of a Country Priest* on Friday, July 29; and *Cleo from 5 to 7* on Friday, Aug. 5.

Noted potter to visit

Warren MacKenzie, one of the best known of all American potters, will be at the University Park Campus from Monday, June 27, to Saturday, July 9. His visit will include a public lecture from 7:30 to 9:30 p.m. on Thursday, June 30, in Room 102 Forum Bldg.

Mr. MacKenzie was the first American potter to study under the internationally known British potter Bernard Leach, and in recent years his unpretentous style has come to be recognized as one of the purest representations of American pottery. Since 1954 he has been teaching in the Department of Studio Arts at the University of Minnesota.

The workshop at Penn State, sponsored by the Department of Art and the Institute for the Arts and Humanistic Studies, is an attempt to allow Mr. MacKenzie to set up his own environment and work without pressure, according to organizers. They say they hope to capture a feeling of the artist's own studio in the studio he will use on campus.

Lighter fare preferred

Light entertainment was preferred to heavier fare by all theatre-going groups, regardless of age, education or occupation, according to audience surveys conducted at Penn State during the 1973 summer and fall theatre seasons.

The survey was conducted by W. E. Crocken, associate professor of theatre and film and manager of University auditoriums, and George Hozman, associate professor of management science, and published in California Management Review.

The greatest support for serious drama occurred mid-week, as opposed to weekends, and among the middle-aged, the two professors wrote in their article, "Theatre Audience Composition: Preferences and Perceptions." They also found that acceptance of contemporary theatre declined significantly with age.

WPSX Highlights

A festival of French films begins on **PBS Movie Theater** Saturday, June 25, at 10 p.m., with Rene Clement's *Lust for Evil*. Produced in 1960, the film is a thriller classic about a murderer who assumes the identity of his victim, a young American playboy. Other films to be presented in the festival are *The Rules of the Game, Soft Skin, Jules and Jim, Beauty and the Beast, Orpheus, Casque d'Or, Grand Illusion*, and *400 Blows*.

Legendary jazz pianist Dave Brubeck is reunited with his most famous quartet members on **At the Top,** Sunday, June 26, at 4 p.m. The group, together for the first time since 1967, performs "Take Five" and "Blue Rondo a la Turque."

On Sunday, June 26, at 7:30 p.m., Hollywood writers and producers assess the value and influence of television on American society in a 30-minute special, **TV for Better or Worse.** Alan Alda of "M*A*S*H," Norman Lear — "king of the situation comedy" — Gene Roddenberry of "Star Trek," and others address the problems of violence on television, the family-hour, and censorship in the media

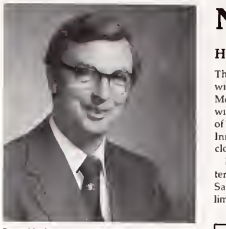
The Second Half of Your Life, a six-part television guide to retirement planning, begins Monday, June 27, at 7:30 p.m. The series, which can also be seen Thursdays and Sundays at 3:30 p.m., explains how to set retirement goals and reach them through good financial preparation and physical fitness programs. Included are presentations on living alone, special nutritional needs of older adults, cardiovascular exercise, and psychological preparations for aging.

Waiting for Godot, Samuel Beckett's classic absurdist drama, is featured Wednesday, June 29, at 9 p.m. on **Great Performances: Theater in America.** The play is performed for television by members of the Los Angeles Actors Theatre.

New regulations and revisions in Pennsylvania's Motor Vehicle Code are scheduled to go into effect July 1. On the eve of these major changes, **Pennsylvania Hotline,** alive, call-in special, reviews the new code, Thursday, June 30, at 10 p.m. Officials from the Commonwealth's Department of Motor Vehicles will respond to viewers' questions. To reach **Pennsylvania Hotline,** call (717) 655-5911 collect.

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Penn State Intercom



Dean Hosler

Hosler is new deans' head

Dr Charles L. Hosler, dean of the College of Earth and Mineral Sciences, will assume the chairmanship of the University's Council of Academic Deans on July 1. He succeeds Dr. Eugene J. Kelley, dean of the College of Business Administration.

Dean Hosler, who holds three degrees in meteorology from Penn State, is immediate past president of the American Meteorological Society. He is currently chairman of the Stormfury Advisory Panel of the National Academy of Sciences and National Academy of Engineering, and a member of the NAS/NAE Committee on Atmospheric Sciences, the Pennsylvania Weather Modification Board, the Cooling Tower Research Committee of the American Society of Mechanical Engineers, and a subcommittee of the applications steering committee of NASA for the Atmospheric Cloud Physics Laboratory. This laboratory was designed from a concept originated by Dr. Hosler in 1967, and will be part of NASA's spacelab to be orbited by the space shuttle about 1980.

Dean Hosler began his service on the University faculty as a graduate assistant in meteorology in 1947. He headed the Department of Meteorology from 1961 until 1965 when he was named dean of the College.

News in Brief

Holiday closings

The HUB Terrace Room and Lion's Den will be closed Saturday, Sunday and Monday, July 2, 3 and 4. On July 4, there will be no food service, with the exception of breakfast for guests, at the Nittany Lion Inn. Kern Graduate Bldg. will also be closed July 2-4

During the remainder of the summer term, the Terrace Room will be closed on Saturdays, but the Lion's Den will serve a limited menu from 7 a.m. to 1 p.m.

Ask the Editor column scheduled

INTERCOM will introduce a new column this summer called Ask the Editor to provide readers at all campuses with a chance to receive answers to questions they may have about the University. Faculty and staff seeking information on policies, personnel procedures, fringe benefits, services, and the like should address their inquiries to Ask the Editor, Room 312 Old Main, University Park PA 16802, or phone 865-7517. Letters should be signed, although names will be withheld on request. INTERCOM will make every effort to answer all questions, either with a personal letter or in the column.

Tickets remain for three home games

A limited number of tickets remain for three Penn State home football games this fall. Four of the Nittany Lions' seven games at Beaver Stadium are sold out, but some tickets are still available for the games against Houston, Sept 17; Utah State, Oct. 8; and Miami, Oct. 29

Anyone interested in applying for tickets should send a check to the Penn State Ticket Office, Room 237 Recreation Bldg., University Park, Pa 16802. Tickets are $8 each. Checks should include $1 for mailing and handling charges and should be made payable to "The Pennsylvania State University."



The Lions' home games with Maryland, Kentucky, West Virginia and Temple are sold out. Tickets remain for the road games with Rutgers, Sept. 2; Syracuse, Oct. 15; North Carolina State, Nov. 5; and Pittsburgh, Nov. 19.

Air conditioning limits set

The University has established 78°F as the lowest permissible operating point for comfort air conditioning this summer. This limit applies to building systems as well as window units. Faculty and staff are asked to keep office and lab doors closed to improve comfort and reduce operating costs. Any malfunction should be reported promptly to Maintenance and Operations at 865-4731.

Burrowes, Curtin shut

Burrowes and Curtin Roads will be closed, from Pollock Road to Allen Road, today and Friday, June 30 and July 1.

Pattee holiday hours

Pattee Library and the University Park Branches will be open during the July 4th weekend as follows: Saturday, July 2, 8 a.m. to 5 p.m.; Sunday, July 3, 1 p.m. to 10 p.m.; and Monday, July 4, 1 p.m. to 10 p.m.

Mail service reminder

Recently a series of "chain letters" have been sent through the Interdepartmental Mail system at University Park. All faculty and staff members are reminded that it is a violation of University policy to send personal mail, including chain letters, through the Interdepartmental Mail system. This service should only be used for official University business.

Children's golf classes offered

The University is offering golf classes for children aged 8 to 16. Classes will meet for one hour, twice weekly, for a total of eight lessons. The fee is $20, and interested persons can register by telephoning the Blue Golf Course at 865-7462.

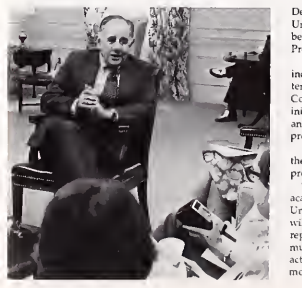
Survival workshops set up

Penn State is conducting two one-day Survival Workshops on July 2 and 30, designed to introduce persons who enjoy outdoor activity to basic principles of outdoor and wilderness survival. Each workshop will be held at Stone Valley.

Subjects to be covered include basic survival principles, finding usable water anywhere in the world, edible and useful wild plants, fire making, survival camp and shelter construction, and finding and following directions with and without a map and compass.

(Continued on page 4)

President outlines future priorities at conference



Developing more finely tuned and integrated University-wide budgetary and academic planning will be among his top priorities during the next few years, President Oswald told a news conference last week.

Other priority items demanding his attention will include devising the wisest possible policies to minimize tensions that from time to time arise between the Commonwealth Campuses and University Park, initiating further study of academic personnel policies, and seeing that the vocational aspects of the educational process are not overemphasized.

Dr. Oswald said that he planned to work closely with the new provost, Dr. Edward D. Eddy, on these problems.

"There will be a five-year plan for every single academic and administrative department in the University, estimating the number of faculty and staff it will need and its enrollments and programs," he reported. "Since clearly our funds will be limited, we must try to relate the overall budget more closely to the actual fine needs of the operating departments Our money has to go as far as possible — not just in the academic areas but in administrative areas, too."

Noting that almost three-fourths of all Penn State freshmen now enter a Commonwealth Campus, the President pointed to the many advantages students enjoy in this "quite remarkable system of one university geographically dispersed." However, he continued, tensions are bound to arise because Campus faculty, in a sense, have loyalties both to their Campuses and to their University Park disciplinary departments.

"When promotion and tenure decisions are made," Dr. Oswald said, "they must be joint decisions all along the line, involving the Campus director, the department head, and the deans of the Colleges and of the Commonwealth Campuses."

The President pointed out that during his administration the University has gone a long way in decentralizing authority to the Campuses but that it could only go so far or the students might suffer. A Campus, for example, could not be allowed unilaterally to offer baccalaureate courses which might not be accepted by the relevant University Park department.

"It is very important," he said, "that we develop the

(Continued on page 4)

PENN STATE COLLECTION

PENN STATE COLLECTION

Penn Staters

Dr. Gerald E. Gipp, assistant professor of education, was sworn in last week as deputy commissioner of Indian Education in the U.S. Office of Education. Dr. Gipp, who has directed Penn State's Native American Graduate Program in Education since 1974, will be responsible for administering programs established under the Indian Education Act of 1972. A Standing Rock Sioux, Dr. Gipp is a graduate of Ellendale State College, N.D. He was among the first group of students admitted to the University's Native American Program in 1970, earning his M.Ed. and Ph.D. degrees in educational administration. He is currently on leave of absence from Penn State.

Dr. Rustom Roy, director of the Materials Research Laboratory, has been elected as a foreign member of the Royal Swedish Academy of Engineering Sciences. The academy, the oldest of its kind, chooses only five or six foreign members each year, and no American has been selected since 1974. Founded in 1919, the academy has about 400 Swedish and 60 foreign fellows, including engineers, scientists, economists and sociologists.

Dr. Bruce M. Siegenthaler, professor of speech pathology and audiology and director of the Speech and Hearing Clinic, has been re-elected vice president for professional training of the Pennsylvania Speech and Hearing Association.

Dr. Arthur Hayes Jr., chief of clinical pharmacology at Hershey, recently served as visiting professor of clinical pharmacology at the University of Washington School of Medicine in Seattle, where he presented a seminar on the bradycrotic actions of belladonna alkaloids and the first annual Pfizer Lecture. "The Rational Therapy of Hypertension."

Dr. Robert A. Bernoff, professor of science and general chemistry at Ogontz, is the recipient of that Campus's 1977 Award of Outstanding Teaching. Dr. Bernoff has been a member of the Ogontz faculty since 1962.

Appointments

J. Ward Donovan to assistant professor of medicine, Hershey. B.A., Manhattan College; M.D., George Washington U. Emergency medicine residency, Hershey.

Gregory A. Kelly to assistant professor of surgery, Hershey. B.A., Vanderbilt U.; M.D., Duke U. Surgical residency, Duke; research fellowships, U. of California, Hershey.

Ralph H. Moskowitz to assistant professor of medicine, Hershey. B.A., M.D., Johns Hopkins U. Cardiology fellow, New York U.; cardiology research fellow, U. of Minnesota.

William C. Reeves to assistant professor of medicine, Hershey. B.A., West Texas State U.; M.D., U. of Texas. Cardiology fellow, Strong Memorial Hospital; internal medicine residency, Montefiore Hospital.

Retirements

Olive S. Holt, who retires this month as head of the Serials Department at Pattee, almost had to choose between marriage and her job.

"I was the first woman ever allowed to remain on the library staff after getting married," she says, adding that the head librarian had to think about it overnight before he decided to let her keep her job.

That was in 1938 and Mrs. Holt had been at Penn State for five years, having come to the University from Drexel University, where she earned a degree in



library science. She was a 1932 graduate of Earlham College with a B.A. in English and history.

In 1972 Mrs. Holt was appointed chief of the newly created Serials Department in the University Libraries, and she has directed all operations relating to the 25,000 serial and periodical titles currently received at the libraries. She also shares the responsibility for the annual publication, in machine-readable format, of "Serial Holdings in the Pennsylvania State University Libraries at University Park." She was the compiler of Pennsylvania Author Headings.

Mrs. Holt was the recipient of the Award for Outstanding Contribution to the Pennsylvania State University Libraries in 1975.

Jennings B. Knoebel, assistant professor of engineering at the Hazleton Campus, will retire on June 30 after 18 years of service. Prior to joining the University faculty, he was with the civil engineering corps of the U.S. Navy and was in charge of several multi-million dollar projects. He also was employed as a supervisor for several construction companies.

Mr. Knoebel received a B.S. degree in architectural engineering from Penn State and studied aeronautical engineering at the University of Florida. He taught mechanical and architectural engineering and served as head of mechanical engineering at Hazleton.



Ruby M. Miller, map librarian at Pattee Library, will retire July 1, following 30 years of service. Mrs. Miller received her A.B. degree from Chatham College and did graduate work at the University of Pittsburgh. She taught school in western Pennsylvania for a number of years and was a map analyst in the Office of Strategic Services in Washington, D.C., during World War II.

At Penn State, she initiated the building of the Map Collection in 1947. As a result of her efforts, more than 200,000 maps and 3,000 atlases, gazetteers and dictionaries related to the field are housed in Pattee. Her special interests have included obtaining all state and national atlases, and developing the collection of thematic maps, both for Pennsylvania and worldwide.

In 1972 her bibliography, *Pennsylvania Maps and Atlases in the Pennsylvania State University Libraries*, was published as part of the library's Bibliographical Series. She is currently compiling a bibliography of the state, county and regional atlases of the United States found in the library.



V.E. Neilly, associate professor of engineering, is retiring June 30 after almost 29 years of service.

One of the first ex-GIs to enroll after service in World War II, Prof. Neilly came to Penn State as a freshman in 1945. After receiving his B.S. in electrical engineering in 1946, he joined the faculty as an engineering instructor at the former Harrisburg Center. He soon transferred to the main campus as a member of the Department of Continuing Education in Engineering. In 1956-58, he was coordinator of nonacademic matters for Penn State's portion of the International School of Nuclear Science and Engineering. He also served as first executive secretary of the national Institute for the Certification of Engineering Technicians before moving to the office of the dean of the College of Engineering where he worked with freshman advising. Since 1970, he has served as assistant to the dean with duties primarily in the area of publicity and public relations for the College.

Active in Penn State Thespians as an undergraduate, Prof. Neilly has been president of Thespians' board of advisers since 1973. He was also an adviser to the Penn State Amateur Radio Club, the Engineering Undergraduate Council, Phi Eta Sigma, and the Penn State Engineer magazine.

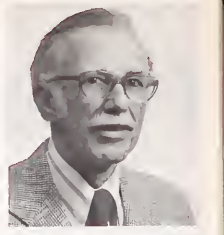


James J. O'Hora, associate professor of physical education, is retiring on June 30 after 31 years on the football coaching staff of his alma mater. Originally a line coach, he was named assistant head coach in 1974.

A native of Dunmore, Pa., Mr. O'Hora first came to Penn State in 1932. After a distinguished career as a football player, he began coaching immediately after graduation in 1936, serving as a graduate assistant while working towards a master's degree in physical education. In 1937 Mr. O'Hora became head football and baseball coach at Roaring Spring (Pa.) High School. He then moved to Mahanoy Township (Pa.) High School in 1939, where he was head football, baseball and basketball coach.

His coaching career was interrupted by World War II. He served in the U.S. Navy from 1942 to 1945 as commander of a landing ship in the Luzon campaign. He returned to Mahanoy Township for one year after the war and then joined the Penn State staff in 1946.

During his years at Penn State, Mr. O'Hora never played or coached on a losing team.



Warren S. Smith, professor and director of General Education in the Arts, will retire with emeritus rank on July 1 after 31 years at the University. He joined the Penn State faculty in 1946 as an instructor in dramatics, then a division of the Department of English.

A 1933 graduate of Muhlenberg College in Allentown, Pa., he went on to earn the master of arts degree from the State University of Iowa in 1937. His special area of interest has always been general education in the arts, and shortly after he took over Arts 1, an introductory music-theatre-art history course, he began developing a media package to deliver the course to the Commonwealth Campuses. Over the years, that package has been refined from its initial 30 black-and-white video-taped programs to today's offering of audio and video tapes, slides, and a textbook, approved by Prof. Smith and his staff.

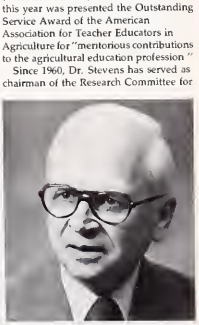
Mr. Smith has written articles on George Bernard Shaw for the New York Times, and has been a frequent contributor to The Shaw Review, published at Penn State. His retirement plans include combining his earlier articles on Shaw into a book.

Glenn Z. Stevens retires July 1 as professor emeritus of agricultural education, completing more than 30 years at the University.

A native of Luzerne County, Dr. Stevens is a Penn State alumnus, having received B.S. and M.S. degrees in 1932 and 1935, both in agricultural education. His Ph.D. in this area was conferred by the University of Minnesota. Dr. Stevens taught for 12 years in Pennsylvania high schools before joining the faculty in 1947.

The author or co-author of a number of instructional units, learning aids and evaluation devices, Dr. Stevens earlier this year was presented the Outstanding Service Award of the American Association for Teacher Educators in Agriculture for "meritorious contributions to the agricultural education profession."

Since 1960, Dr. Stevens has served as chairman of the Research Committee for



Agricultural Education within the Pennsylvania Department of Education and has also worked with the Research Committee for Agricultural Education in the American Vocational Association. Since 1966 he has served on the Curriculum Committee for Agriculture in the U.S. Office of Education.



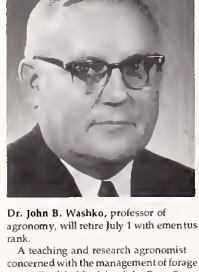
When **Dr. Clarence E. Trotter** retires on July 1 as professor emeritus of marketing, he will have completed nearly 28 years on the faculty.

He began his career as a teacher of vocational agriculture in 1938 at Marion Center and after military service from 1944 to 1946, went to Honesdale as supervisor of an "on the Farm Training Program" for the Wayne County School Board.

He joined Penn State's faculty in 1951, and his research was concerned with various aspects of marketing agricultural products, among them forest products, livestock and meats; floricultural products; apples; and distribution and credit in the feed milling industry. His studies on production and marketing of apples and pears in 1963 took him to many European countries.

When the two-year program in agricultural business was established at the Altoona Campus in 1964, Dr. Trotter coordinated it.

A native of Salix in Cambria County, Dr. Trotter received his B.S. in agricultural education from Penn State in 1938 and his Ph.D. in agricultural economics from the University of Minnesota.



Dr. John B. Washko, professor of agronomy, will retire July 1 with emeritus rank.

A teaching and research agronomist concerned with the management of forage crops, Dr. Washko joined the Penn State faculty as an associate professor of agronomy in 1946. Since then he has conducted numerous research projects, taught a wide variety of courses, and supervised the training of 33 master's degree students and 24 doctoral candidates.

Dr. Washko is the author or co-author of over 100 technical, semi-technical and popular publications concerning forage crop production and pasture and grassland management. His interest in the latter field has taken him to International Grassland Congresses held in the United States, England, Australia, and the Soviet Union. He also served as a consultant to the Mahatma Phule University in Pooma, India, in 1971.

He was president and vice president of the Northeastern Branch of the American Society of Agronomy, and from 1958 to 1961 was president of the American Grassland Council.

Dr. Washko earned his bachelor's and master's degrees from Rutgers University and his Ph.D. at the University of Wisconsin.

Calendar

June 30 — July 10

Special Events

Thursday, June 30
Add deadline (8 week summer term).
Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre.

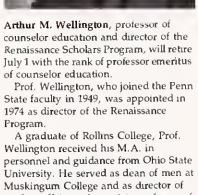
Friday, July 1
Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre.

Saturday, July 2
Last date for August graduates to deliver doctoral theses to committees.
P.S.O.C. Hiking Division, backpack on the Chuck Keiper Trail, through July 4
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.
Festival Theatre, *The Royal Family*, 2:30 and 8 p.m., Pavilion Theatre.

Sunday, July 3
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.
Festival Theatre, *The Royal Family*, 7:30 p.m., Pavilion Theatre.

Monday, July 4
Independence Day, no classes.
"*Be Glad Then America* . . . A Documentary," hour-long program produced by WPSX will be seen nationally on the Public Broadcasting System, 9 p.m.

Tuesday, July 5
Last date for written foreign language examinations (other than French and Spanish) for advanced degree candidates
College of Education faculty luncheon, 12:30 p.m., Room 101 Kern.
G.S.A. outdoor concert, Whetstone Run, 7 p.m., Fisher Plaza Free admission.
Nittany Divers scuba course, first meeting, 7:30 p.m., Natatorium classroom.

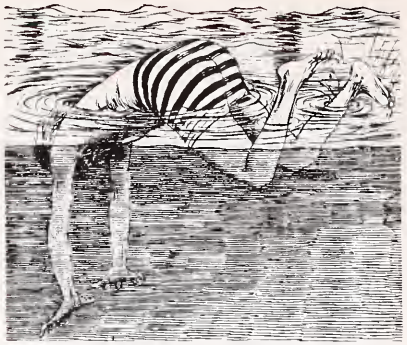


Arthur M. Wellington, professor of counselor education and director of the Renaissance Scholars Program, will retire July 1 with the rank of professor emeritus of counselor education.

Prof. Wellington, who joined the Penn State faculty in 1949, was appointed in 1974 as director of the Renaissance Program.

A graduate of Rollins College, Prof. Wellington received his M.A. in personnel and guidance from Ohio State University. He served as dean of men at Muskingum College and as director of student affairs and associate professor of personnel psychology at Ohio State. Prior to joining the Penn State faculty as professor of psychology, he was director of counseling for the U.S. Department of Labor in Ohio and a rehabilitation director for the Veterans Administration. In 1965, he was professor of counseling at the University of Southern California.

Author of numerous articles in professional journals, from 1970 through 1975, Prof. Wellington was a national officer and member of the executive committee of the American Personnel and Guidance Association. In 1971, he received the Distinguished Service Award of the Student Personnel Association for Teacher Education, which he served as president in 1970-71, for his leadership in that organization and service to the American Personnel and Guidance Association



Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre.

Wednesday, July 6
G.S.A. Commonsplace Theatre, *The Point*, 7:30 and 9:30 p.m., Room 112 Kern.
Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre

Thursday, July 7
Pass/fail deadline (8 week summer term).
Readers Theatre, Sondheim, *A Little Night Music*, 8 p.m., Room 112 Kern. Free admission.
Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre.
Festival Theatre, Wheeler and Sondheim, *A Little Night Music*, 8 p.m., Playhouse Theatre.
Office of Student Activities free film, *Jeremiah Johnson*, 9 p.m., HUB lawn

Friday, July 8
Pass/fail deadline (8 week summer term).
Behind the Scenes with *A Little Night Music*, 3 p.m., Playhouse Theatre Free admission.
Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre
Festival Theatre, Wheeler and Sondheim, *A Little Night Music*, 8 p.m., Playhouse Theatre.
Readers Theatre, Sondheim, *A Little Night Music*, 8 p.m., Room 112 Kern. Free admission.

Saturday, July 9
Last date for final oral doctoral examinations for August graduates.
Last date for August graduates to deliver master's theses or papers to advisers.
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.
Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre.
Festival Theatre, Wheeler and Sondheim, *A Little Night Music*, 8 p.m., Playhouse Theatre.
Nittany Mountain Summer Spectrum London Contemporary Dance Theatre, 8 p.m., Eisenhower Auditorium.

Sunday, July 10
Penn State Wargaming Club meeting, 9 a.m., Room 101 EE East.
P.S.O.C. Hiking Division, dig out springs on Broad Mountain with picnic supper, 9 a.m., HUB parking lot.
Festival Theatre, *A Little Night Music*, 7:30 p.m., Playhouse Theatre.

Seminars and Lectures

Thursday, June 30
Art Department/IAHS Lecture. Warren MacKenzie, potter and artist-in-residence, will discuss his own work 7:30 p.m., Room 102 Forum.

Wednesday, July 6
Phi Delta Kappa "Fast Back" Seminar. Dean A Madison Brewer on "Too Many Teachers: Fact or Fiction?" 10 a.m., Room 101 Kern.
Graduate Program in Regional Planning/Slavic Center of the College of the Liberal Arts Illustrated Lecture. Mr. Andrej Skarica of Yugoslavia, urban designer, on "Modern Life in an Ancient City: Urban Planning in Split, Yugoslavia," 2:30 p.m., Room 165 Willard.

Thursday, July 7
College of Education PDK Summer Lecture Rustom Roy on "Science in a Holistic Society: Century Twenty-One," 12:45 p.m., Room 112 Kern.
Microbiology, Cell Biology Seminar. Lon Hodge, Yale School of Medicine, on "The Nuclear Matrix: Possible Component for the Study of Structure-Function Relationships," 4 p.m. Room 52 Frear.

Friday, July 8
Immunology Seminar. Steven Miller, University of Colorado Medical Center, on "Induction, Mechanisms, and Genetic Restrictions of Specific Immunological Tolerance in Cell-Mediated Immunity," 2 p.m., Room 111 Animal Industries Bldg

Exhibits

Anthropology Museum: Hours are Tuesday and Thursday, 9 a.m.-noon, and Wednesday, noon-5 p.m. Entrance at rear of Sparks.
Chambers Gallery: Richard Hamwi, drawings; Philip E. Magaldi, weavings; Denise L. Stone, Ceramics, through July 5. Open weekdays, 9 a.m.-5 p.m.
Earth and Mineral Sciences Museum: Hours are Tuesday — Sunday, 1-5 p.m., and by appointment for groups. Mineral Industries Bldg.
HUB Gallery: Smithsonian Institution exhibit, "American Coverlets," Central Pennsylvania Festival of the Arts children's exhibit, opens July 5.
Kern Commons Gallery: "20th Anniversary of Festival Theatre," through July 2; Larry Dumm, paintings; "f64", photographs by Ansel Adams, Imogen Cunningham, Willard Van Dyke and Edward Weston, opens July 9, CPFA invitational photography exhibit, opens July 9
Museum of Art: Hours are Tuesday-Sunday, noon-5 p.m. American paintings from the Collection of Daniel J. Terra; The realistic Tradition in American Art, selections from the permanent collection; CPFA juried craft exhibit, opens July 10.
Museum of Art HUB Gallery: African art, Nigerian and Benin objects from the collection of Dr. and Mrs. John Swanson, through July 3; CPFA invitational fine arts exhibition, opens July 10.
Pattee Library: Pete Lafferty, ceramics, main lobby; Reginald Pollack, paintings, East corridor, Stephen Harshon, photography, Lending Services lobby, Thomas Hare, paintings, West Pattee lobby.

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Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

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PENN STATE COLLECTION

News in brief

(Continued from page 1)

instructor Charles McCullough learned survival skills while serving and earning the rank of Captain in the U.S. Army. His tour of duty took him to Texas for desert training, Vietnam for jungle survival training, and Alaska where he went on long-range foot patrols during the winter.

There is a fee for the course, and interested persons may receive further information by calling or writing Penn State Continuing Education, (814) 865-3443, Room 309 Shields Bldg.

New research unit

Effective July 1, a new unit, the Center for Education Research and Evaluation (CERE), will assume and coordinate many of the activities carried out by the former Computer Assisted Instruction Laboratory and the Center for Cooperative Research with Schools in the College of Education.

According to Dr. Harold E. Mitzel, associate dean for research and graduate studies, the new unit will provide for a concentration of research efforts. CERE will bring to the attention of faculty members opportunities for sponsored research in appropriate funding agencies. At the same time, its staff will attempt to identify faculty in the College with similar research interests who could be working together.

The new research unit will be staffed by three faculty members, including Dr. Michael Szabo, associate professor of education, and Dr. J. Jackson Barnette, assistant professor of educational psychology who has been serving as director of the Center for Cooperative Research with Schools. The third member will be selected from the faculty under an annual rotating research fellowship.

Spring JGE appears

The spring issue of The Journal of General Education, published by Penn State's Press, focuses on the purposes of education. Robert Jennings Heinsohn, assistant professor of mechanical engineering, contributes an article, "General Education in Technology: An Approach Using Case Studies." JGE is edited by Dr. Caroline D. Eckhardt and Dr. Robert B. Eckhardt, both Penn State faculty members.

Dance Theatre July 9

Dances depicting both sorrow and joy will be performed by the London Contemporary Dance Theatre when it appears at 8 p.m. Saturday, July 9, in Eisenhower Auditorium as the opening event of Nittany Mountain Summer Spectrum. Considered one of the best modern dance groups in the world, the troupe is visiting the University on its first tour of the United States.

"Stabat Mater," choreographed by Robert Cohan, co-founder of the Dance Theatre in 1967 and its artistic director today, is danced by nine women. Based on a poem by Jocapone da Todi, the piece depicts the sorrows of the Virgin Mary at the Crucifixion, with each dancer representing part of Mary's experience.

Energy and athletic prowess are the subjects of "Troy Games," danced by seven men who perform Kung-Fu style exercises and scrimmages, all timed to a fraction of a second. A humorous piece, "Troy Games" was choreographed by one of the company's associate choreographers, Robert North, who also performs in the dance.

Siobhan Davies, the company's other associate choreographer, will also perform in a dance she choreographed, "Diary 2." A revision of an earlier piece, "Diary 2" combines originality and beauty in its portrayal of a slice of the everyday life of dancers on tour.

Tickets for this program and all other Nittany Mountain Summer Spectrum events are on sale at the Eisenhower Auditorium box office, 10 a.m. to 4 p.m., Mondays through Saturdays, except July 4, and 6:30 p.m. on days of performance. For further information, call 863-0255.

Addictions Prevention Lab moving; Bandt acting head

Dr. Philip L. Bandt, associate professor of education, has been named Acting Project Director of the Addictions Prevention Laboratory, succeeding Dr. John D. Swisher, professor of education, who resigned to return to full-time teaching and research activites.

APL was originally funded in 1973 as a result of a proposal written by Dr. Swisher to the Governor's Council on Drug and Alcohol Abuse of the Commonwealth of Pennsylvania. The unit represents one of the first research organizations in the country devoted to the development and evaluation of primary prevention programs for schools.

Dr. Bandt has been associated with APL in a senior capacity since 1975. His background includes teaching and administrative affiliations with Ohio State, Temple, UC-Berkeley, and New College.

APL is located in the Division of Counseling and Educational Psychology. The organization will be moving to campus offices effective June 28. After that date, mail may be addressed to Room 323 Carpenter Bldg. and phone inquiries may be made at (814) 865-1391.

GSA sponsors bluegrass group

The Graduate Student Association is sponsoring an Outdoor Concert featuring "Whetstone Run" at 7 p.m. on Tuesday, July 5, in Fisher Plaza. Admission is free. "Whetstone Run" is a four-piece bluegrass group from State College.

WPSX Highlights

Legacy: The Year of the Bicentennial, Monday, July 4, at 8 p.m. reviews the major events of Pennsylvania's Bicentennial celebration, including the Wagon Train on its way to Valley Forge and the Central Pennsylvania raft trip down the Susquehanna River. Viewers are reminded that **Be Glad Then America — A Documentary** can be seen at 9 p.m.

Ninety miles off the New England coast, George's Bank provides 14 percent of the world's fishing catch. On Tuesday, July 5, at 8 p.m., **Offshore, Onshore** examines the controversy over the Department of the Interior's plans to sell three-mile sections of George's Bank to oil companies for development.

Opera Theater returns for a new season on public television Tuesday, July 5, at 9 p.m., with a 10-week series mixing light opera, musical theater, grand opera, and some experimental works. The series begins with a look at the 1976 production of the Santa Fe Opera Company, focusing on **The Mother of Us All**, a salute to the achievements of Susan B. Anthony. The opera was written by Virgil Thomson and Gertrude Stein.

Thirty-year-old painter Jamie Wyeth, of Chadds Ford, Pa., is profiled Tuesday, July 5, at 10:30 p.m. on **A Portrait of Jamie.** The inheritor of a great artistic tradition, Mr. Wyeth has managed to develop his own unique style.

Project Newview, a cooperative educational effort between Penn State and the State Correctional Institution at Rockview, has produced a book of Rockview inmates' writing. Bill Warnken, instructor in the University's Department of English, and two inmates from the prison appear on **Talkabout**, Wednesday, July 6, at 7:30 p.m., to discuss the Newview course and read excerpts from their book. **Talkabout** can also be seen Saturday at 1:30 p.m. and the following Tuesday at 3 p.m.

Members of the Martha Graham Dance Company are featured Wednesday, July 6, at 9 p.m., on **Great Performances: Dance in America**

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be received until 5 p.m. July 7. **DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

As provided by the procedures for control of new hiring and promotion, staff vacancies will be announced only when granted an exception by the cognizant senior University officer.

FINANCIAL AID COUNSELOR, STUDENT AFFAIRS, FINANCIAL AID — University Park Responsible to the Director of Student Aid for counseling students on financial aid matters and for assisting in the internal administration of financial aid programs. A master's degree or equivalent in student personnel services, counselor education, or higher education, plus up to one year of directly related experience is required.

IMMUNOFLUOROSCOPIST — Hershey Responsible to the Director, Division of Anatomic Pathology, for the performance of a variety of tests and analyses utilizing advanced techniques. A bachelor's degree or equivalency, plus one to two years of directly related laboratory experience

STAFF DEVELOPMENT INSTRUCTOR — Hershey Responsible to the Inservice Program Coordinator for planning and teaching various nursing service educational programs. Strives to increase the level of knowledge among professional staff through various programs of orientation, skill training, continuing education, and leadership training. Bachelor's degree with one to two years of hospital nursing experience, preferably with one year as an inservice instructor, required. There are two positions available — one with major responsibility for maternal child health staff development, the other, for ICU staff development and the critical care course.

SENIOR STAFF NURSE — Hershey Responsible to the Nursing Care Coordinator for providing a variety of nursing duties, as well as providing leadership to staff nurses and other patient care personnel. A registered nurse with a current license to practice professional nursing in Pennsylvania, plus two to four years of nursing experience, is required.

RESIDENCE HALL COORDINATOR — Hazleton Responsible to the Dean of Student Affairs for assisting in carrying out the mission of Student Affairs by providing administrative, educational, cultural, and personal services for the total residence hall program, also, for the welfare and security of the students at the residence hall. Master's degree in student personnel services, counseling or related field, or equivalent organized study or training, plus up to and including 12 months of directly related experience, or bachelor's degree or equivalent organized study or training in student personnel services, counseling or related field, plus over one year and up to and including two years of directly related experience.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS (MINORITY RECRUITMENT) — Masterpart Responsible to the Dean of Student Affairs for the development and administration of campus programs aimed at recruiting and retaining minority students and for such other duties as may be assigned relating to a variety of services and programs in the Student Affairs operation at the campus. Master's degree (or equivalent) in student personnel administration, counseling or related field, plus six to twelve months of directly related experience. Position funded until June 30, 1978.

Funding Sources

For further information, call 865-1372

(275-1) The HEW/PHS National Institute for Occupational Safety and Health (NIOSH) has published program guidelines for **Occupational Safety and Health Educational Resource Centers** and has set a July 8 closing date for proposals to establish centers. (Ref 42FR 30542-4, 6/15/77) (CFDA 13.263)

(275-2) Upcoming NSF deadlines are: Aug. 1 for **Physiology and Cellular and Molecular Biology Proposals** (Dr. Henry Reeves, 202-632-4338); Aug. 5 for **Population Biology and Physiological Ecology Proposals** (Dr. Francis James, 202-632-7317), for **Systematic Biology Proposals** (Dr. John Wright, 202-632-5846), and for **Ecological Sciences Proposals** (Dr. Peter Frank, 202-632-7324); Aug. 19 for Undergraduate Research Participation (URP) (Dr. William Adams, 202-282-7150). (Ref. NSF Bulletin June 1977)

Future priorities

(Continued from page 1)

wisest possible policies so that healthy tensions do not become unhealthy ones. It takes a lot of good will and wisdom to set up policies and make them work when authority is jointly shared at all levels."

The President also pledged himself to do everything possible to insure that academic personnel policies are as equitable and as well understood as possible.

"In times such as these, there naturally is uneasiness among faculty and staff," he said, "They worry that the University may have to cut back and how this might affect them.

"The University went through great discussion and study before establishing a new tenure and promotion policy two years ago," Dr. Oswald continued. "I think it's working reasonably well, but I get very different reports from different parts of the University about the need for profound changes. I plan to give a great deal of attention to this issue."

Finally, the President told the conference, he intends to spend as much time as he can "preaching the importance of not letting the University put too much emphasis on the vocational aspect of education.

"In these times when people are so concerned about jobs, we should educate students not just for entry level positions in their fields, but also provide them with abilities and backgrounds to help them move into their third, fourth and fifth jobs."

In responding to questions from the media, the President also noted:

— He was very pleased and encouraged by the response to the 50,000 letters sent out under his name to parents of undergraduate students and to active alumni. The letters urged the recipients to contact their legislators and support an increase in the University's appropriation.

— He believes Penn State will be affected less seriously than some other institutions by the decrease in the number of high school graduates because the University is strong in many areas relating to national needs. These include food, energy, engineering development and business. Enrollments in these fields have increased dramatically and are expected to hold up.

— The Commonwealth Campuses may be hit harder than University Park by declining enrollments of 18 to 22-year-old students. However, since the Campuses are uniquely set up to respond to the needs of nontraditional students and are located, for the most part, in areas of high population density, they are well prepared to meet changing educational demands. Dr. Oswald pointed to Berks where a very popular associate degree program in law enforcement and corrections was established and now is being followed with an extended baccalaureate degree. These curricula are offered through the College of Human Development and are already oversubscribed.

— The University projects a 2 percent drop in its enrollment by 1980, but there is still a great deal of disagreement among experts across the country over what will happen by 1985. If he had to guess, the President said, he thought Penn State might lose another 5 percent of its traditional 18 to 22-year-old students. But some statisticians even project enrollment increases after 1980.

— He firmly supports the new basic skills program passed by the University Senate. "We are not dealing with non-admissable students," he emphasized. "From the standpoint of measurement on tests and high school performance records, these are some of the ablest students in the State. Many of them are in the top 20 percent of their high school classes."

— He feels the basic skills program is only a temporary one since persons close to developments in the secondary schools now predict that, within four years, students will begin performing better on tests involving writing and mathematical computation.

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PENN STATE ROOM
PATTEE LIB

Penn State Intercom

Daubert hopes Senate can spend more time on major policy concerns

The University Faculty Senate should concentrate less on minor undergraduate policy matters and more on other University concerns, according to Dr. Thomas E. Daubert, newly initiated Senate chairman.

In an interview this week, Dr. Daubert said the Senate "tends to spend too much time on minor undergraduate policies at the expense of major policy related to planning, research and other concerns." Looking ahead to his year in office, he said he hoped to achieve a more even distribution of Senate time.

Dr. Daubert also listed four general goals for the 1977-78 year: to strengthen the system of shared governance that now defines the relationship between the University administration and the Senate; to improve communications between the Senate and the University community; to have a Senate that acts rather than reacts; and to create a viable policy framework for Senate decisions, "instead of looking at one thing at a time."

"The communications area is something I really hope to stress," he said. "I think it's extremely important for the senators to talk to their constituents and for Senate, in general, to let the University community know about the issues."

Saying he intended to send a letter to the faculty in early September outlining specific items Senate will discuss during the early part of the year, he also noted



Dr. Daubert

that he intends to visit many Commonwealth Campuses this fall. In addition, he said he hopes to set up discussion sessions, possibly to be held as often as once a week, so that faculty members will have a chance to voice their opinions to him and other Senate leaders.

"I don't think we talk to people as much as we should about the specific things that are happening in Senate, and that's one reason we get complaints that Senate isn't responsive," he said.

Asked if he thought the role of Senate had changed in any way because of the faculty unionization elections held last spring, he said, "I think it's a push for the Senate to do a better job than it has in the past, because if we were really doing our job, *some* of the reasons for having a union would disappear."

Dr. Daubert went on to say he did not anticipate any major changes in the role of the Senate chairman during his tenure in office, but added that he hoped to overcome what has become a chronic problem of the Senate — a slow start in the fall delaying action on many proposals until the final Senate meetings of the spring.

"With the proper planning, I think we can remedy that situation," he said.

Noting that some faculty members have called for Senate representation by department instead of by College or Commonwealth Campus, he said, "In the past, Senate representation was based on departments, but I think the collegial and campus system of representation is better."

He said he thought the collegial and campus system encouraged a broader approach to the issues, adding, "There's a tendency to get provincial, to think only of the interests of a single department, when representation is based on departments." In general, Dr. Daubert said, he believe the Senate is representative of the Penn State faculty.

Asked if he thought Senate had the support of most faculty members, Dr. Daubert said he considered about one-third of the faculty to be active supporters of the Senate, one-third to be "mildly happy that we're here and doing something" but otherwise indifferent, and the other one-third to be either dissatisfied with, or completely disinterested in, the Senate.

"But it all goes back to communications," he said. "If we can give people a chance to complain, to tell us why they aren't happy with the Senate or why they feel as they do on certain issues, we may be able to boost the number of active supporters greatly."

News in Brief

Dance Theatre a hit in American debut

"Always exciting . . . not one dull moment" the New York Times said last weekend of the American debut of the London Contemporary Dance Theatre which will perform Saturday, July 9, at 8 p.m. in Eisenhower Auditorium.

The company premiered last week at the American Dance Festival in New London, Conn., and performs this week at the Wolf Trap Performing Arts Center in Vienna, Va., and the Ambler Music Festival in Philadelphia.

Tickets for Saturday's performance are on sale in the Eisenhower Auditorium box office 10 a.m. to 4 p.m., Monday through Saturday, and in the Hetzel Union Building lobby this week from 11 a.m. to 2 p.m., as well as at the door beginning at 6:30 p.m. the evening of the performance.

Tickets may be also reserved by telephone with VISA or Master Charge cards. The number to call is 863-0255.

Recycling program begins

Eco-Action will begin a recycling program at University Park on Saturday, July 9, and continue though the summer on alternate Saturdays — July 23, Aug. 6 and Aug. 20. Glass (brown, green and clear), tin or aluminum cans, aluminum foil and newspapers should be brought to Parking Lot 83 behind the flower gardens.

Glass should be washed, and all labels and metal rings removed. Eco-Action also requests that papers be placed in paper — not plastic — bags, or be tied in bundles. Magazines are not wanted. Bimetal cans with aluminum tops and steel bodies should not be brought in for recycling. Remove labels and wash pure tin cans; put both ends inside can and flatten Aluminum cans can be brought in as they are or flattened.

Teamsters reject University contract offer

Members of Teamsters Union Local 8, representing technical service employees, rejected the University's final contract offer last Thursday, following several months of negotiations.

Local 8 members voted 654 to 219 against the University's offer, which included a 5 percent wage hike and an increase in surgical and maternity benefits. For the offer to be rejected, it was necessary for two-thirds of those voting to vote against it. The count was 73 votes short of acceptance. The Union is asking an 8 percent wage hike.

President Oswald expressed disappointment over the low voter turnout.

"It is most unfortunate," he said, "that only about one-third of the technical service workers voted in the election (873 out of 2,646 individuals covered by the agreement) and less than 25 percent (654 of 2,646) made the decision for all employees to reject the contract offer.

"If a strike is called by the Union leadership of the technical service employees, the University will remain open and will continue to operate its academic programs and essential services. Inconveniences will certainly occur, but contingency plans have been made by each unit throughout the University to cope with a potential work stoppage."

In all, there were 711 ballots cast at University Park and 162 at the Commonwealth Campuses. But Union leaders said they did not think the low voter turnout indicated a low level of interest in the strike among the Union membership.

"We're confident that people who did not come out to vote felt sure that those who did would vote for a strike," Local 8 Secretary-Treasurer C. Rodney Knepp said.

Mr. Knepp also said Union leaders would not call a strike until late summer or early fall and that he anticipated additional negotiating sessions between Union and University representatives in mid-August.

In addition to the wage increase, the rejected contract offer provided for improvement in the UNICARE schedule, increasing the maximum benefit from $450 to $750. The basic maternity benefit (doctor's fee for normal delivery) was increased from $150 to $350.

President terms financial situation "fragile"

In the absence of action by the Commonwealth to approve the University's appropriation for 1977-78, President Oswald issued the following statement:

"I am deeply concerned about the seriousness of entering the fiscal year without approval of our State appropriation and the financial implications this has for the University.

"The University will have to turn to borrowed money for normal operations. Depending on the length of the delay in passage of an appropriation, interest costs on the borrowed money will mount and add to the present fragile financial situation for the next fiscal year."

Borrowing will be undertaken as the funds are required, Dr. Oswald noted. He explained that the final payment on the 1976-77 appropriation, received on June 16, will enable the University to close out the 1976-77 fiscal year, paying amounts already due and obligated, including the monthly payroll for June.

"The financial situation of the

(Continued on page 4)

Morrill named as Provost's aide

Dr. Richard L. Morrill, associate provost of Chatham College and assistant to the President there, has been named executive assistant to Dr. Edward D. Eddy, incoming provost of the University, effective Aug. 15.

Dr. Morrill has worked closely with Dr. Eddy, who has been president of Chatham since 1960. Dr. Eddy will join Penn State Aug. 1.

In his new post, Dr. Morrill will handle special projects in the Provost's office relating to the academic work of the University and will represent the Provost on some University-wide committees. He will be concerned particularly with the review and development of new academic programs.

Dr. Morrill began his academic career at Wells College, where he was instructor in the Department of History and Philosophy of Religion in 1967-68. He went to Chatham in 1968 as assistant professor of philosophy and religion and was named associate professor in 1974. Since 1973, he has served also as associate provost and assistant to the president. From 1970 to 1973 he directed the Chatham College Interim Program, a one-course or project program offered between terms.

A native of Hingham, Mass., Dr. Morrill graduated magna cum laude in 1961 from Brown University with a B.A. in history. He was elected to Phi Beta Kappa and held a Woodrow Wilson Fellowship.

From 1961 to 1964, he studied at Yale, qualifying for a B.D. in religious thought. He received the Tew Prize for Excellence in Studies. His Ph.D. was conferred in 1967 by Duke, where he held the James B. Duke Fellowship, the highest award of Duke's Graduate School. He also is a graduate of Harvard's summer Institute for Educational Management.

PENN STATE COLLECTION

Penn Staters

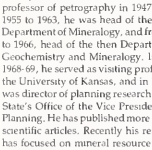


Dr. John C. Griffiths, a pioneer in geostatistics and the quantification of geoscience, retired with the rank of professor emeritus of petrography on June 30 after 30 years on the faculty. In recognition of his outstanding work, he has been named to receive the first William Christian Krumbein Award of the International Association for Mathematical Geology later this year.

A native of Wales, Dr. Griffiths holds three degrees — B.Sc., M.Sc., and Ph.D. — from the University of Wales, a diploma from Imperial College, Royal College of Science; and a Ph.D. from the University of London. After receiving his second doctorate, he spent seven years in Trinidad, working for a petroleum company and gaining experience in a number of geological fields, including petrography — the analysis and description of rocks.

He joined the Penn State faculty as professor of petrography in 1947. From 1955 to 1963, he was head of the then Department of Mineralogy, and from 1963 to 1966, head of the then Department of Geochemistry and Mineralogy. In 1968-69, he served as visiting professor at the University of Kansas, and in 1969-72, was director of planning research in Penn State's Office of the Vice President for Planning. He has published more than 100 scientific articles. Recently his research has focused on mineral resource assessment.

Dr. Griffiths is a fellow of the Geological Societies of America and London and of the Mineralogical Society of America.



Samuel A. King, associate professor of history at the DuBois Campus, retired June 30. He had been on the faculty at DuBois since 1942, with the exception of three years of military service during World War II.

Born in Cambria County, he earned his B.A. in social studies and his M.A. in history, both at Penn State. A noted cartoonist, mapmaker and folklorist, he is an authority on the history and folklore of DuBois and the surrounding area, and is a popular lecturer and after-dinner speaker. In 1972 he was adviser for the Centennial Committee of the DuBois Area Chamber of Commerce, and in 1954 he wrote the entire 32-page issue of the (DuBois) Courier-Express Sesqui-Centennial Edition.

During his career, Mr. King has taught history, sociology, art, art history, economics and political science. He has been a member of the University Faculty Senate, the Intra-University Relations Committee, the Tenure Committee for the Department of History, the DuBois Campus Hearing Board, the Campus Planning Task Force and the Campus Scholarship Committee. For several years, he was faculty advisor to Delta Mu Sigma, the DuBois Campus honorary society.

Active in the American Red Cross, he was presented a national award for outstanding volunteer service in 1973.

Dr. Joseph Jordan, professor of chemistry, has been reappointed to serve on the Evaluation Panel of the Physical Chemistry Division of the National Bureau of Standards during the 1978 fiscal year. Panel members are appointed by the National Academy of Sciences and its operating arm, the National Research Council. Dr. Jordan has been a member of the panel since 1975.

William Bradley, associate professor of art education, is one of 30 sculptors from five states invited to exhibit at the Temple University Music Institute in Philadelphia.

Dr. Parris H. Chang, professor of political science, presented an invited paper, "Shanghai and Chinese Politics," at a conference at Cambridge, England, July 4-6. The conference was sponsored by the Contemporary China Institute of the University of London.

The Student Government Association at Capitol Campus has named **Dr. Charles D. Pringle,** assistant professor of management, the 1977 recipient of the James Jordan Award for teaching excellence.

Dr. Jeffrey S. Lannin, assistant professor of physics, recently presented a paper at the Seventh International Conference on Amorphous Semiconductors in Edinburgh, Scotland. The paper, to be published in the conference proceedings, was on laser studies of amorphous solids.

Dr. E-tu Zen Sun, professor of Chinese history, has been appointed to a four-year term on The Public Committee for the Humanities in Pennsylvania, which was organized in 1973 to foster public awareness of the role of the humanities in contemporary life. The committee awards grants to humanities-oriented projects in Pennsylvania with appropriations from the National Endowment for the Humanities and the Commonwealth of Pennsylvania.

Dr. Clifford C. Clogg, an assistant professor of sociology and faculty associate in the Population Issues Research Office, has received the Marc Perry Galler Prize presented by the Division of the Social Sciences at the University of Chicago for his dissertation, "Measuring Underemployment Demographic Indicators for the U.S Labor Force, 1969-1973."

Promotions have been announced for county-based Extension staff.

From Extension Agent to Senior Extension Agent: Richard A. Bailey, Bucks County; James A. Bochy, Somerset County; Leslie N. Firth, Mercer County; Murray W. Fisk, Wyoming County; Patricia L. Long, Westmoreland County; James J. McKeehen, Delaware County; Thomas E. Piper, Adams County; Ward M. Stover, Indiana County.

From Associate Extension Agent to Extension Agent: Jean M. Elicker, Greene County; John P. Harns, Dauphin County; Marie L. Kieffer, Somerset County; Richard N. Plotts, Wayne County; J. Calvin Sammons, Lawrence County; W Harry Schaffer, Jr., Berks County; Greta C. Vairo, Delaware County.

From Assistant Extension Agent to Associate Extension Agent: Mae D. Bleiler, Berks County; Robert J. Brown, Somerset County; Nancy C. Covert, Jefferson County; Myrna A. Kappler, Cumberland County; G. Roger Titus, Huntingdon County; George C. Wilcox, Erie County.

Obituary

Burke M. "Dutch" Hermann, professor emeritus of American history and former varsity basketball coach, died June 27 at the age of 88.

Prof. Hermann enrolled at Penn State as a freshman in 1906 and was captain of the 1910 basketball squad and played quarterback on the 1907-1910 football teams. He was a founder and charter member of two campus societies, Druids and Parmi Nous. His M.A. in history was conferred by Penn State in 1916.

He was appointed an assistant in history and freshman football coach in 1915 and in 1916 became the first full-time basketball coach. His coaching service continued until 1932. A desire to devote full-time to teaching prompted Mr. Hermann to discontinue his coaching activities, and he enrolled for additional graduate work at Columbia University. He was named in 1935 as professor of American history and retired in 1956.

Sally Small honored

Sally S. Small, head librarian at the Berks Campus and past chairman of the University Faculty Senate, has been named to receive the fourth annual Award for Outstanding Contribution to the Pennsylvania State University Libraries. The award, which includes a citation and cash gift, will be presented at 2:30 p.m. today (July 8) in the courtyard of Pattee Library by Dr. Stuart Forth, dean of the University Libraries.

Mrs. Small, who came to Penn State in 1967, is the only person ever to have won all three elective posts (secretary, vice chairman and chairman) of the University Faculty Senate. In addition, she was the first Commonwealth Campus representative to be elected chairman of the Senate.

A graduate of Dickinson College with a B.S. in biology, she also holds a master's in library science from Drexel University. Currently, she is doing graduate work at Temple University.

Mrs. Small was a member of the Penn State National Bicentennial Commission appointed by President Oswald. She served on the University's provost search committee and has been active in the promotion and tenure committee of the University Libraries and the faculty advisory committee. She is also active in librarians' associations at both the local and national level. At the Berks Campus, she serves on the promotion committee, the heanngs board and the academic planning committee.

Garden named for Nelson

A garden area in the courtyard of the Helen Eakin Eisenhower Chapel has been named for the late Clifford A. Nelson, coordinator of religious affairs at the University from 1962 until his unexpected death in 1971 in his office at the chapel.

A bronze plaque now marks the area where development was made possible through memorial gifts contnbuted through the Office of Gifts and Endowments by members of the Nelson family and friends.

A native of Hazleton, Mr. Nelson joined the Penn State faculty in 1945 as assistant professor of economics. As coordinator of religious affairs, the position he assumed in 1963, he was responsible for administering the facilities of the Chapel and facilitating the programs of the various campus ministries.

From the Press

The Memoirs of Arthur Symons: Life and Art in the 1890s, edited with an introduction by Karl Beckson. 284 pages. $14.50.

The man William Butler Yeats called "the most important critic of his generation" reveals his critical and personal impressions of some of the greatest artists and writers of his time — Swinburne, Beardsley, Browning, Gide, Verlaine, Toulouse-Lautrec, Rodin, Whistler and others. The founding editor of The Savoy and author of *The Symbolist Movement in Literature,* Symons brushed shoulders with many of the people who shaped the transition from Victorian to modern times, and he writes of them candidly in his memoirs. Revealed, too, are his experiences as an 1890s man-about-London, including his love affairs with music hall girls and, in particular, with a dancer named Lydia, who exerted a lifelong fascination on him.

Dr. Beckson, the editor or co-editor of three previous books on leading figures of the 1890s, is professor of English at Brooklyn College, CUNY.

The Volga Germans: In Russia and the Americas, From 1763 to the Present, by Fred C. Koch. 365 pages. $16.50.

Mr Koch, a West Coast newspaperman, tells the story of the German emigrants recruited by Catherine the Great to populate the lower Volga River frontier in the mid-1700s. When the land became overcrowded, many moved on to the Americas, and by 1920, there were more than 300,000 Volga Germans in the United States, mostly in the prairie states. Eventually, they were joined by thousands of other German-derived residents of the Soviet Union.

The author describes the pioneering activities of these people, both on the Volga and in North and South Amenca, and examines their attempts to keep their culture alive through an elaborate system of parochial schools and other means.

Funding Sources

For further information, call 865-1372

(276-1) The National Institute for Education (NIE) announces a Sept. 30 application deadline for the **Program of Research Grants on Organizational Processes in Education.** Funds are available for small grants (12 months, $7,500) and regular grants (3 years). (Ref. 42FR31645, 6/22/77) (CFDA 13.950)

(276-2) The HEW **National Institute of Mental Health** (NIMH) announces a Sept. 15 deadline for three MH programs under the Division of **Manpower and Training programs,** Oct. 1, 1977, and Feb. 1 and July 1, 1978, are the deadlines for five programs under the Division of **Special Mental Health Programs.** Contact information is provided. (Ref. NIMH Memo 6/8/77)

(276-3) The National Endowment for the Arts announces an Oct. 7 deadline for the 13-week **Work Experience Internship Program,** organized to acquaint participants with NEA policies, procedures and operations and to furnish them with an overview of arts activities in the United States. Subsequent deadlines are Feb. 3 and May 26, 1978. (Ref. NEA announcement)

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INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

Second-class postage paid at State College, Pa. 16801

University Park Calendar

July 8-17

Special Events

Friday, July 8
Pass/fail deadline (8-week summer term).
Immunology Seminar, Steven Miller, University of Colorado Medical Center, on "Induction, Mechanisms, and Genetic Restrictions of Specific Immunological Tolerance in Cell-Mediated Immunity," 2 p.m., Room 111 Animal Industries Bldg.
Behind the Scenes with *A Little Night Music*, 3 p.m., Playhouse Theatre. Free admission.
Festival Theatre. *The Royal Family*, 8 p.m., Pavilion Theatre.
Festival Theatre, Wheeler and Sondheim, *A Little Night Music*, 8 p.m., Playhouse Theatre.
Readers Theatre, Sondheim, *A Little Night Music*, 8 p.m., Room 112 Kern. Free admission.

Saturday, July 9
Last date for final oral doctoral examinations for August graduates.
Last date for August graduates to deliver master's theses or papers to adviser.
Penn State Wargaming Club meeting, noon-11 p.m., Room 101 EE East.
Festival Theatre, *The Royal Family*, 8 p.m., Pavilion Theatre
Festival Theatre, Wheeler and Sondheim, *A Little Night Music*, 8 p.m., Playhouse Theatre.
Nittany Mountain Summer Spectrum, London Contemporary Dance Theatre, 8 p.m., Eisenhower Auditorium.

Sunday, July 10
P.S.O.C. Hiking Division, dig out springs on Broad Mountain, picnic supper, 9 a.m., HUB parking lot.
Penn State Wargaming Club meeting, noon — 11 p.m., Room 101 EE East.
Festival Theatre, Wheeler and Sondheim, *A Little Night Music*, 7:30 p.m., Playhouse Theatre.

Monday, July 11
Drop deadline (8-week summer term).
Pass/fail deadline (8-week summer term).
Course repeat deadline (8-week summer term).
Pre-registration deadline (for fall term).

Tuesday, July 12
College of Education PDK Summer Lecture. Lawrence Iannaccone on "The Next Battleground in the Politics of Education," 11:10 a.m., Room 112 Kern.
Festival Theatre, *A Little Night Music*, 8 p.m., Playhouse Theatre.
Nittany Mountain Summer Spectrum, The Eastern Opera Theatre of New York in John Philip Sousa's operetta, *El Capitan*, 8 p.m., Eisenhower Auditorium.

Wednesday, July 13
Agronomy Seminar, Brian Alloway, Westfield College, University of London, on "Aspects of Agricultural Geochemical Research in Britain," 9:30 a.m., Room 117 Animal Sciences Bldg.
Phi Delta Kappa "Fast Back" Seminar. Paul Bixby and Frances E. Fairchild on "How to Recognize a Good School," 10 a.m., Room 101 Kern.
Intergenerational Summer Community Lecture. Charles Taylor on "What It Means to Retire," 7:30 p.m., Room 101 Kern.



Landou Dance Theatre in "Stabat Mater." Performance July 9.

Poets Among Us, poets of Central Pennsylvania reading from their own work, 7:30 p.m., Living Center, Henderson.
Festival Theatre, *A Little Night Music*, 8 p.m., Playhouse Theatre.
Office of Student Activities free film, *The Old Man and the Sea*, 9 p.m., HUB lawn. Rain, HUB ballroom.

Thursday, July 14
CPFA feature film, *The Green Wall*, 3 p.m., HUB assembly room.
Interlandia folk dance performance and workshop, Old Main patio, 4 p.m.
CPFA Film as Art 1977, avant-garde works, 5 p.m., HUB assembly room.
CPFA feature film, *The Harder They Come*, 7 p.m., HUB assembly room.
Intergenerational Summer Community Lecture. Improvisational Players, a group of older adults in the Altoona area who have become involved in improvisational theatre, 7:30 p.m., Room 307 HUB.
Festival Theatre, *A Little Night Music*, 8 p.m., Playhouse Theatre.
Robert Hayden, poet, reading his own work, 8 p.m., Living Center, Henderson.
State College Music Guild concert, 8 p.m., Music Bldg. recital hall.
CPFA feature film, *Bedazzled*, 9:30 p.m., HUB lawn.

Friday, July 15
Board of Trustees meeting, Room 402 Keller Bldg.
CPFA feature film, *The Harder They Come*, 5 p.m., HUB assembly room.
france-cinema, Rouch and Morin, *Chronicle of a Summer — Paris*, 7 and 9 p.m., Room 112 Kern.
Festival Theatre, *A Little Night Music*, 8 p.m., Playhouse Theatre
The Marlowe Duo-Piano Percussion Ensemble, 8 p.m., Eisenhower Auditorium. Open rehearsal, 3:30 p.m., Eisenhower Auditorium.
CPFA feature film, *The Incredible Shrinking Man*, 9:30 p.m., HUB lawn.

Saturday, July 16
Board of Trustees meeting, Room 402 Keller Bldg.
Penn State Wargaming Club meeting, noon, Room 101 EE East.
CPFA Jazz on Film, rare glimpses of Bessie Smith, Louis Armstrong and others, 3 p.m., HUB assembly room.
Open discussion with printmaker Antonio Frasconi, 4 p.m., Zoller Gallery.
CPFA feature films, *Union Maids* and *Ramparts of Clay*, 6 p.m., HUB assembly room.
Nathaniel Rosen, cellist, 8 p.m., Music Bldg. recital hall.
Festival Theatre, *A Little Night Music*, 2:30 and 8 p.m., Playhouse Theatre.
Nittany Mountain Summer Spectrum, The Earl Scruggs Revue, also Bob Doyle and the Buffalo Chipkickers, 8 p.m., Eisenhower Auditorium.
CPFA feature film, *Rude the High Country*, 9:30 p.m., HUB lawn.
Laser music in concert, 15 minute outdoor sight-sound experience, 10:30 and 11:30 p.m., Festival Tent.

Sunday, July 17
P.S.O.C. Hiking Division, trail improvement at Big Flat with swim and picnic supper, 9 a.m., HUB parking lot.
Penn State Wargaming Club meeting, noon, Room 101 EE East.
CPFA feature film, *Walkabout*, 7 p.m., HUB assembly room.
Festival Theatre, *A Little Night Music*, 7:30 p.m., Playhouse Theatre.
The Opera Society of Central Pennsylvania and the State College Symphony Orchestra joint performance, 8 p.m., Music Bldg. recital hall.
CPFA Pantomime demonstration and workshop by Donna Gibbons Sommese, 8 p.m., Festival Tent.
CPFA feature film, *Meet Me in St. Louis*, 9:30 p.m., HUB lawn.

Exhibits

Hammond Gallery: July 13-17. Foster designs based on CPFA logo; winning entries in poetry competition.
HUB Gallery: Smithsonian Institution exhibit "American Coverlets"; CPFA children's art exhibit, CPFA invitational fine arts exhibit, opens July 10.
Kern Commons Gallery: "f64", photographs by Ansel Adams, Imogen Cunningham, Willard Van Dyke and Edward Weston; CPFA invitational photography exhibit. Both open July 9.
Materials Research Laboratory Science and Art Museum: Hours are 1-5 p.m., July 14-16. Sculptures by Barbara Hepworth, Max Bill and others; CPFA juried art and science exhibit. Room 201 MRL.
Museum of Art: Hours are Tuesday — Sunday, noon — 5 p.m. American Paintings from the Collection of Daniel J. Terra; The Realist Tradition in American Art: Selections from the Permanent Collection; CPFA juried craft exhibit, opens July 10.
Museum of Art HUB Gallery: Opens at noon. CPFA invitational fine arts exhibit, opens July 10.
Pattee Galleries: Pete Lafferty, ceramics, Main Lobby; Reginald Pollack, Paintings, East Corridor Gallery; Stephen Hirshon, photography, Lending Services Lobby; Thomas Hare, paintings, West Pattee Lobby.
Zoller Gallery: Hours are Tuesday — Sunday, noon — 5 p.m. Open July 14 — 16 until 9 p.m., July 17 until 7 p.m. CPFA exhibit, Antonio Frasconi, printmaker.

WPSX Highlights

Many of America's best-known folksingers, including Pete Seeger, Melanie, Oscar Brand, Tom Rush and Peter Yarrow, gather Saturday, July 9, at 9 p.m. for **A Phil Ochs Memorial Celebration.** A tribute to the late songwriter and activist, Phil Ochs, the concert features performances of "Day Is Done," "Draft Dodger Rag," "Thirsty Boots," and "He Was a Friend of Mine." Interspersed with the songs are reminiscences by former Attorney General Ramsey Clark, attorney William Kuntsler, and Ochs' friend, Jerry Rubin, a defendant in the Chicago Seven trial.

Implementation of the Education for All Handicapped Children Act in Pennsylvania is the subject of a special half-hour documentary, **A Right to Belong**, Sunday, July 10, at 7:30 p.m. The program shows how an experimental project in Pennsylvania's public schools has been successful in meeting the individual needs of handicapped children.

Arthur Fiedler and the Boston Pops Orchestra return to public television for a new season of **Evening at Pops**, Sunday, July 10, at 8 p.m. Appearing as a guest on the first program is Clamma Dale, who portrayed Bess in this year's Broadway revival of **Porgy and Bess.**

Meat, Fred Wiseman's blunt, two-hour documentary on the meat-packing industry returns to WPSX-TV, Monday, July 11, at 8 p.m.

On Tuesday, July 12, at 9 p.m., **Opera Theater** presents a performance of the Gilbert and Sullivan favorite, **The Gondoliers**. The operetta is updated to the early 1900s with sets for the Piazzetta in Venice and the Court of Barataria in the style of the 20th century painter Raoul Dufy. David Lloyd-Jones conducts the Royal Philharmonic Orchestra. Among those appearing is Michael Langdon as the Grand Inquisitor.

Through visits to doctors' offices, pharmacies, and pharmaceutical manufacturers, **Saving With Generic Drugs** examines the benefits of Pennsylvania's new Generic Drug Act. The program, to be seen Wednesday, July 13, at 10:30 p.m., explains how consumers can benefit from the new law, passed in November 1976, which permits pharmacists to substitute a less expensive, generically equivalent drug for a brand name drug on a physician's prescription.

HUB Craft Centre open

The HUB Craft Centre, located in Room 312 Hetzel Union Building, is now registering members of the University community and their families for second session craft classes to begin the week of July 18. Adult classes, taught weeknights from 7:30 to 9:30 p.m., will be offered in loom-weaving, batik, macrame, pottery, stained glass, basketry and rug making. In addition, children aged 9 through 16 can take classes in macrame, basketry, and pottery weekday mornings from 10 a.m. to 12 noon. A limited number of openings are still available. For information call 863-0611 or stop by Room 312 HUB.

Spectrum to offer Sousa comic operetta on July 9

John Philip Sousa's comic operetta, *El Capitan*, will be presented by the Eastern Opera Theatre of New York at 8 p.m. on Tuesday, July 12, in Eisenhower Auditorium as part of Nittany Mountain Summer Spectrum.

A high-spirited tale of political intrigue and mistaken identities in Peru at the turn of the century, *El Capitan* is Sousa's most popular operetta, and features, along with other marches and waltzes, his famous "El Capitan March."

The Eastern Opera Theatre was founded in 1972 as the professional opera company in residence at Pace University in New York City. In the five years since its inception, the troupe has enjoyed much critical success with its productions of *The Turn of the Screw, Barber of Seville, La Boheme, Cosi fan Tutte, Don Pasquale* and *El Capitan*.

Tickets for *El Capitan* and all other Nittany Mountain Summer Spectrum events are available at the Eisenhower Auditorium box office, from 10 a.m. to 4 p.m., Mondays through Saturdays, and at 6:30 p.m. on days of performance. Specially reserved parking spaces are available in the auditorium parking lot, which should be entered at the lower (south) driveway. Police Services personnel will be on hand to assist. Tickets may also be charged on major credit cards by calling (814) 863-0255.

Tony winner at Playhouse

A Little Night Music, Festival Theatre's second offering, opened last night at the Playhouse and runs through July 23. Winner of six Tony Awards in its original 1973 production, the musical features five Actors' Equity players.

Garland Wright has directed the play, which is based on a film by Ingmar Bergman, *Smiles of a Summer Night*. The music was written by Stephen Sondheim.

Tickets are on sale at the Playhouse box office daily from 10 a.m. to 9 p.m. The telephone number is (814) 865-1884

Readers present 'A Little Night Music'

The Graduate Commons will present a Readers Theatre production of Stephen Sondheim's *A Little Night Music* at 8 p.m. tonight (July 8) in the Kern Assembly Room. Admission is free. The program will involve the reading of the song lyrics as poems which will be connected by narration to apprise the audience of changes in the story's plot, scene, and mood.

13,718 enrolled

Incomplete summer term enrollment figures totaled 13,718 as of June 22. This included 10,239 students at University Park, 2,252 at the Commonwealth Campuses; 100 at Behrend College; 135 at King of Prussia; 817 at Capitol Campus; and 175 at the Milton S. Hershey Medical Center.

Compared to incomplete figures at the same time a year ago, the total is down 392 students, and the University Park enrollment shows a loss of 385 students.

"Fragile" situation

(Continued from page 1)

University," Dr. Oswald observed, "is every bit as difficult and uncertain as it was in May when the Trustees approved a University budget for 1977-78. Trustee action was based on the assumption of an increase of at least $3 million in the State appropriation for Penn State."



Eastern Opera Theatre in scene from "El Capitan."

Book to head alumni

Edward R. Book, of Hershey, assumed the presidency of the 38,000-member Penn State Alumni Association on July 1. He succeeds J. Lloyd Huck, of New Vernon, N.J. At the conclusion of a two-year term, Mr. Book will be succeeded by Jay H. Feldstein, of Mt. Lebanon, newly elected vice president of the alumni body.

Mr. Book, a 1954 hotel administration graduate, is president and chairman of HERCO, Inc., formerly known as Hershey Estates. HERCO is comprised of 23 divisions operating in the general areas of resort operations, horticulture and mercantile, sports and entertainment, and utilities and engineering. He was appointed to the University's Board of Trustees to fill the unexpired term of the late Michael Baker Jr. on March 1.

Mr. Feldstein, a former All-University president, is a senior partner in Feldstein, Grinberg, Stein and McKee of Pittsburgh. He was graduated from Penn State in 1959 and from Yale Law School in 1962.

New major at Behrend

A new undergraduate major in bioscience has been established at Behrend College. The 128-credit major focuses on problem-solving and is designed to prepare students for situations requiring the critical evaluation and application of biological information in a job, in graduate or professional school, or in everyday living. The major leads to the bachelor of science degree.

Retired staff to meet

The 183rd meeting of the Penn State Retired Staff Club will be held at Saint Andrew's Episcopal Life Center on Thursday, July 14. The program, entitled "I Remember When," will consist of five-minute presentations by Frances Farrell, Jo Hays, Julie Brill, Teresa Cohen, Ray Conger and Guy Mills. Dessert will be served at 7:30 p.m. Reservations may be made by calling Frank and Jeannette Peikert at 237-7914

Staff Vacancies

Staff vacancies in this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in INTERCOM may be found in the Penn State REPORTER. All University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be received until 5 p.m. **July 14, 1977. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

PROGRAMMER, MANAGEMENT SERVICES — University Park Analyze and design program logic, code, test and document programs, keep abreast of new techniques in programming using available educational resources. Bachelor's degree or equivalent in computer science or related field, plus one to two years of programming experience are required. Proficiency with COBOL on third generation computer equipment is desired.

ORTHOPTIST — Hershey Responsible to the physician for the performance of orthoptic examinations, diagnosis, and treatment on selected patients in the Strasburgus Clinic. Bachelor's degree or equivalent, plus one year of specialized orthoptic training and certification by the American Orthoptic Council, and six to nine months of directly related experience.

V E. TECHNICIAN — Hershey Responsible to the Supervisor, EEG Laboratory, of the Visual Electrophysiology Laboratory for the performance of electrophysiologic examinations, etc. Bachelor's degree or equivalent, interest in working with patients, electronics and computers.

RESEARCH AIOE, AGRICULTURE — University Park Perform biochemical analysis upon various animal tissue, tissue fractions, and body fluids. Collect tissues and body fluids and prepare the samples for analysis. Conduct in vitro experiments on the metabolism and radioactive substrates by subcellular tissue fractions. Summarize and report the results obtained in investigations. Prepare histological section of selected tissues for microscopic examination. Bachelor of science degree, preferably in chemistry or biochemistry, and up to one year of directly related laboratory experience.

ASSISTANT TO OIRECTOR, PENNSYLVANIA SCHOOL STUOY COUNCIL, EOUCATION — University Park Responsible to the Executive Director of the Pennsylvania School Study Council for handling a wide range of administrative duties associated with the management of the council's program. Bachelor's degree. One to two years of directly related experience as a teacher or school administrator.



Ansel Adam's "Clearing Winter Storm, Yosemite National Park."

Weston, Adams, Cunningham, Van Dyke photos on display in Kern Commons

Kern Commons Gallery is presenting a major photographic exhibit, "Group f64" from Sunday, July 10, through Sunday, July 17. Prints displayed are the work of four of America's best known photographers, Imogen Cunningham, Edward Weston, Ansel Adams and Willard Van Dyke. Group f64 was a loose association of friends and photographers who rebelled against the soft-focus, salon-pictorial photography of the early 1930s. Their name was derived from the small aperture setting they used to obtain their precisely detailed images.

This is the first exhibit of Group f64 since their initial show in 1932. The prints on display, which will be available for purchase, were collected by the Archetype Gallery in New Haven, Conn.

Also on display at Kern during the Group f64 show is the exhibit, "An Introduction to Central Pennsylvania Photographers." Gallery hours are from 7:30 a.m. to 11 p.m. Mondays through Fridays, from 8 a.m. to 5 p.m. Saturdays, and from 12 noon to 11 p.m. Sundays.

July 14, 1977 Volume 6, Number 22

Penn State Intercom

President describes implications of appropriation cut

Late last week, University officials received word from Harrisburg that the joint House-Senate Conference Committee on appropriations was seriously considering a 6 percent cutback from last year's appropriation for Penn State and the other state-related universities.

In response to this news, President Oswald issued a statement to the press on July 7 which underlined the seriousness of the situation. A copy of that statement is carried below:

"The proposal to cut Penn State's appropriation by 6 percent or some $6 million from last year's level would have 'disastrous' consequences if implemented, President Oswald said today.

" 'No longer could Penn State provide assurance against serious layoffs of personnel in all categories,' said Dr. Oswald. 'No longer could we assure students that programs and courses they had planned would be available.'

"The action 'clearly would force a second increase in tuition on top of the 9 percent increase already approved by our Board of Trustees, effective for the Fall Term,' he said. 'Another round of devastating program cutbacks would also be required.'

"Last year, Penn State received an appropriation of approximately $106 million. This year, the Governor recommended a 3 percent increase to $109 million, the level upon which the Board of Trustees planned the coming year's budget. The latest legislative proposal under serious consideration in Harrisburg not only would deny the Governor's proposed increase but would cut the previous year's appropriation by 6 percent to approximately $100 million.

" 'Not only would this plan result in an elimination of the $3 million increase on which the current budget of the University is based,' Dr. Oswald emphasized, 'but in cutting an additional $6 million from last year's appropriation, it would throw Penn State's budget out of balance by more than $9 million.

" 'In the past,' Dr. Oswald noted, 'I have been confident that the legislature would not pass a budget that would bring serious harm to Penn State. I still have hope that this crisis can be avoided and urge all alumni and friends of Penn State, along with our students and their parents who will be most directly affected, as well as Penn State employees, to contact their legislators urging restoration and approval of Penn State's appropriation to at least the level initially recommended in the Governor's budget.' "

Increments deferred

As an immediate precautionary step in the face of the potential fiscal crisis, it was announced that the University must defer implementation of the new salary levels for 1977-78 until the State appropriation is clarified.

In a July 7 memorandum to academic deans and others, Dr. Oswald said that the salary increments for the 1977-78 year "were based on an overall State appropriation of $109 million as recommended by the Governor. The Trustee approved budget for 1977-78 includes this $109 million."

President Oswald emphasized, however, that "a serious situation in Harrisburg has developed whereby a 6 percent cut below last year's State appropriation of $106 million is under active consideration. This would reduce Penn State's State appropriation by $9 million below the approved budget, to approximately $100 million.

"Given the seriousness of this situation, we must defer implementation of the new salary levels until the State appropriation is clarified. One of two things will then happen depending upon the final State appropriation: (a) new salaries will be made retroactive to July 1 or (b) they will become effective on a date later than July 1."

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President Oswald emphasized that the new salary levels are not being rescinded. "We are announcing a delay in implementation of salary increases, not rescinding increases," President Oswald said. The action applies to the various levels of University employees, including clerical staff, faculty, administration and staff. Salary increases had been scheduled to be effective July 1, and it is urgently hoped by President Oswald that this still will be possible.

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Featured speakers will be Dr. Herbert A. deVries, professor of physical education and director of the Mobile Laboratory for Physiology of Exercise and Aging Research, University of Southern California, and Lawrence J. Frankel, executive director of the Lawrence Frankel Foundation, Charleston, W.Va.

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The film, which depicts a fight among Yanomamo Indian villagers in South America, examines the general principles of marriage, descent and alliance in Yanomamo society. It is also an examination of the role of the filmmaker and of the anthropologist. The film, one of three by the Chagnon/Asch team to reach the final competition, has won several previous awards.

PENN STATE COLLECTION

Spectrum to offer Sousa comic operetta on July 9

John Philip Sousa's comic operetta, *El Capitan*, will be presented by the Eastern Opera Theatre of New York at 8 p.m. on Tuesday, July 12, in Eisenhower Auditorium as part of Nittany Mountain Summer Spectrum.

A high-spirited tale of political intrigue and mistaken identities in Peru at the turn of the century, *El Capitan* is Sousa's most popular operetta, and features, along with other marches and waltzes, his famous "El Capitan March."

The Eastern Opera Theatre was founded in 1972 as the professional opera company in residence at Pace University in New York City. In the five years since its inception, the troupe has enjoyed much critical success with its productions of *The Turn of the Screw, Barber of Seville, La Boheme, Cosi fan Tutte, Don Pasquale* and *El Capitan*.

Tickets for *El Capitan* and all other Nittany Mountain Summer Spectrum events are available at the Eisenhower Auditorium box office, from 10 a.m. to 4 p.m., Mondays through Saturdays, and at 6:30 p.m. on days of performance. Specially reserved parking spaces are available in the auditorium parking lot, which should be entered at the lower (south) driveway. Police Services personnel will be on hand to assist. Tickets may also be charged on major credit cards by calling (814) 863-0255.

Tony winner at Playhouse

A Little Night Music, Festival Theatre's second offering, opened last night at the Playhouse and runs through July 23. Winner of six Tony Awards in its original 1973 production, the musical features five Actors' Equity players.

Garland Wright has directed the play, which is based on a film by Ingmar Bergman, *Smiles of a Summer Night*. The music was written by Stephen Sondheim.

Tickets are on sale at the Playhouse box office daily from 10 a.m. to 9 p.m. The telephone number is (814) 865-1884.

Readers present 'A Little Night Music'

The Graduate Commons will present a Readers Theatre production of Stephen Sondheim's *A Little Night Music* at 8 p.m. tonight (July 8) in the Kern Assembly Room. Admission is free. The program will involve the reading of the song lyrics as poems which will be connected by narration to apprise the audience of changes in the story's plot, scene, and mood.

13,718 enrolled

Incomplete summer term enrollment figures totaled 13,718 as of June 22. This included 10,239 students at University Park, 2,252 at the Commonwealth Campuses; 100 at Behrend College, 135 at King of Prussia; 817 at Capitol Campus; and 175 at the Milton S. Hershey Medical Center.

Compared to incomplete figures at the same time a year ago, the total is down 392 students, and the University Park enrollment shows a loss of 385 students.

"Fragile" situation

(Continued from page 1)

University," Dr. Oswald observed, "is every bit as difficult and uncertain as it was in May when the Trustees approved a University budget for 1977-78. Trustee action was based on the assumption of an increase of at least $3 million in the State appropriation for Penn State."



Eastern Opera Theatre in scene from "El Capitan."

Book to head alumni

Edward R. Book, of Hershey, assumed the presidency of the 38,000-member Penn State Alumni Association on July 1. He succeeds J. Lloyd Huck, of New Vernon, N.J. At the conclusion of a two-year term, Mr. Book will be succeeded by Jay H. Feldstein, of Mt. Lebanon, newly elected vice president of the alumni body.

Mr. Book, a 1954 hotel administration graduate, is president and chairman of HERCO, Inc., formerly known as Hershey Estates. HERCO is comprised of 23 divisions operating in the general areas of resort operations, horticulture and mercantile, sports and entertainment, and utilities and engineering. He was appointed to the University's Board of Trustees to fill the unexpired term of the late Michael Baker Jr. on March 1.

Mr. Feldstein, a former All-University president, is a senior partner in Feldstein, Grinberg, Stein and McKee of Pittsburgh. He was graduated from Penn State in 1959 and from Yale Law School in 1962.

New major at Behrend

A new undergraduate major in bioscience has been established at Behrend College. The 128-credit major focuses on problem-solving and is designed to prepare students for situations requiring the critical evaluation and application of biological information in a job, in graduate or professional school, or in everyday living. The major leads to the bachelor of science degree.

Retired staff to meet

The 183rd meeting of the Penn State Retired Staff Club will be held at Saint Andrew's Episcopal Life Center on Thursday, July 14. The program, entitled "I Remember When," will consist of five-minute presentations by Frances Farrell, Jo Hays, Julie Brill, Teresa Cohen, Ray Conger and Guy Mills. Dessert will be served at 7:30 p.m. Reservations may be made by calling Frank and Jeannette Peikert at 237-7914.

Staff Vacancies

Staff vacancies in this publication generally require at least a baccalaureate degree or equivalent as a minimum educational qualification. Staff vacancies requiring less than the baccalaureate degree as well as those announced in INTERCOM may be found in the Penn State REPORTER. All University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will **be received until 5 p.m. July 14, 1977. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**

PROGRAMMER, MANAGEMENT SERVICES — University Park Analyze and design program logic; code, test and document programs, keep abreast of new techniques in programming using available educational resources. Bachelor's degree or equivalent in computer science or related field, plus one to two years of programming experience are required. Proficiency with COBOL on third generation computer equipment is desired.

ORTHOPTIST — Hershey Responsible to the physician for the performance of orthoptic examinations, diagnosis, and treatment on selected patients in the Strabismus Clinic. Bachelor's degree or equivalent, plus one year of specialized orthoptic training and certification by the American Orthoptic Council, and six to nine months of directly related experience.

V.E. TECHNICIAN — Hershey Responsible to the Supervisor, EEG Laboratory, of the Visual Electrophysiology Laboratory for the performance of electrophysiologic examinations, etc. Bachelor's degree or equivalent, interest in working with patients, electronics and computers.

RESEARCH AIDE, AGRICULTURE — University Park Perform biochemical analysis upon various animal tissue, tissue fractions, and body fluids. Collect tissues and body fluids and prepare the samples for analysis. Conduct in vitro experiments on the metabolism and radioactive substrates by subcellular tissue fractions. Summarize and report the results obtained in investigations. Prepare histological section of selected tissues for microscopic examination. Bachelor of science degree, preferably in chemistry or biochemistry, and up to one year of directly related laboratory experience.

ASSISTANT TO DIRECTOR, PENNSYLVANIA SCHOOL STUDY COUNCIL, EDUCATION — University Park Responsible to the Executive Director of the Pennsylvania School Study Council for handling a wide range of administrative duties associated with the management of the council's program. Bachelor's degree. One to two years of directly related experience as a teacher or school administrator.



Ansel Adam's "Clearing Winter Storm, Yosemite National Park

Weston, Adams, Cunningham, Van Dyke photos on display in Kern Commons

Kern Commons Gallery is presenting a major photographic exhibit, "Group f64" from Sunday, July 10, through Sunday, July 17. Prints displayed are the work of four of America's best known photographers, Imogen Cunningham, Edward Weston, Ansel Adams and Willard Van Dyke. Group f64 was a loose association of friends and photographers who rebelled against the soft-focus, salon-pictorial photography of the early 1930s. Their name was derived from the small aperture setting they used to obtain their precisely detailed images.

This is the first exhibit of Group f64 since their initial show in 1932. The prints on display, which will be available for purchase, were collected by the Archetype Gallery in New Haven, Conn.

Also on display at Kern during the Group f64 show is the exhibit, "An Introduction to Central Pennsylvania Photographers." Gallery hours are from 7:30 a.m. to 11 p.m. Mondays through Fridays, from 8 a.m. to 5 p.m. Saturdays, and from 12 noon to 11 p.m. Sundays.

July 14, 1977 Volume 6, Number 22

Penn State Intercom

President describes implications of appropriation cut

Late last week, University officials received word from Harrisburg that the joint House-Senate Conference Committee on appropriations was seriously considering a 6 percent cutback from last year's appropriation for Penn State and the other state-related universities.

In response to this news, President Oswald issued a statement to the press on July 7 which underlined the seriousness of the situation. A copy of that statement is carried below:

"The proposal to cut Penn State's appropriation by 6 percent or some $6 million from last year's level would have 'disastrous' consequences if implemented, President Oswald said today.

" 'No longer could Penn State provide assurance against serious layoffs of personnel in all categories,' said Dr. Oswald. 'No longer could we assure students that programs and courses they had planned would be available.'

"The action 'clearly would force a second increase in tuition on top of the 9 percent increase already approved by our Board of Trustees, effective for the Fall Term,' he said. 'Another round of devastating program cutbacks would also be required.'

"Last year, Penn State received an appropriation of approximately $106 million. This year, the Governor recommended a 3 percent increase to $109 million, the level upon which the Board of Trustees planned the coming year's budget. The latest legislative proposal under serious consideration in Harrisburg not only would deny the Governor's proposed increase but would cut the previous year's appropriation by 6 percent to approximately $100 million.

" 'Not only would this plan result in an elimination of the $3 million increase on which the current budget of the University is based,' Dr. Oswald emphasized, 'but in cutting an additional $6 million from last year's appropriation, it would throw Penn State's budget out of balance by more than $9 million.

" 'In the past,' Dr. Oswald noted, 'I have been confident that the legislature would not pass a budget that would bring serious harm to Penn State. I still have hope that this crisis can be avoided and urge all alumni and friends of Penn State, along with our students and their parents who will be most directly affected, as well as Penn State employees, to contact their legislators urging restoration and approval of Penn State's appropriation to at least the level initially recommended in the Governor's budget.' "

Increments deferred

As an immediate precautionary step in the face of the potential fiscal crisis, it was announced that the University must defer implementation of the new salary levels for 1977-78 until the State appropriation is clarified.

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PENN STATE COLLECTION

University Park Calendar

July 14 — 24

Special Events

Thursday, July 14

CPFA sidewalk art sale and exhibition, to 9 p.m., campus walks and mall.

CPFA Artists in Action, to 9 p.m., Allen St. Mall.

CPFA avant-garde films, 5 p.m., HUB assembly room.

Youth Band concert, 6:15 p.m., Festival Tent, Old Main lawn.

CPFA film, *The Harder They Come*, 7 p.m., HUB assembly room.

The Little German Band, 7 p.m., Festival Tent.

State College Music Guild concert, 8 p.m., Music Bldg. recital hall.

Nittany Knights and Chorus of Blue Juniata, barbershop harmony, 8 p.m., Allen St. stage.

Robert Hayden, poet, reads from his own works, 8 p.m., Living Center, Henderson.

Festival Theatre, *A Little Night Music*, 8 p.m., Playhouse Theatre.

Centre Squares, square dancers, 8:45 p.m., Allen St. stage.

Ghost, rock group, 9 p.m., Festival Tent.

CPFA film, *Bedazzled*, 9:30 p.m., HUB lawn. (Rain: HUB ballroom).

Friday, July 15

Board of Trustees meeting, Room 402 Keller Bldg.

CPFA sidewalk art sale and exhibition, through July 17, 9 a.m.-9 p.m. (noon-9 p.m., Sunday), campus walks and mall.

CPFA Artists in Action, through July 17, 9 a.m.-9 p.m. (noon-9 p.m., Sunday), Allen St. Mall.

State College Community Theatre, *The Great Western Melodrama*, 10:30 a.m., Festival Tent.

Tommy Wareham and the Intrigues, soft style music, noon, Festival Tent.

Composers' workshop, 1 p.m., Festival Tent.

Anglo-American folk songs, Bob Doyle, 2 p.m., Allen St. stage.

Dick Meyers, filmmaker, avant-garde films, 3 p.m., HUB assembly room. More at 7 p.m.

Cook & Cosey, mellow rock, 4 p.m., Festival Tent.

Round II, rock and roll, 5 p.m., Festival Tent.

CPFA film, *The Harder They Come*, 5 p.m., HUB assembly room.

Rockview Men's Glee Club and The Penn Statesmen, 6:30 p.m., Music Bldg. recital hall.

Music with Ray Pickin, piano, classical and modern music, 7 p.m., Festival Tent.

france-cinema, *Chronicle of a Summer ~ Paris*, 7 and 9 p.m., Room 112 Kern

The Marlowe Duo-Piano Percussion Ensemble, open rehearsal, 3:30 p.m., concert, 8 p.m., Eisenhower Auditorium.

Festival Theatre, *A Little Night Music*, 8 p.m., Playhouse Theatre.

CPFA film, *The Incredible Shrinking Man*, 9:30 p.m., HUB lawn. (Rain: HUB ballroom).

Saturday, July 16

Board of Trustees meeting, Room 402 Keller Bldg.

State College Community Theatre, *The Great Western Melodrama*, 10:30 a.m., Festival Tent.

Gymnastics demonstration, 11 a.m., 1 and 3 p.m., Old Main lawn.

1977 Fiddlers' Competition, noon-5 p.m., Festival Tent.

State College Bicentennial sculpture presentation, 2:30 p.m., Schlow Library site.

CPFA, jazz on film, 3 p.m., HUB assembly room.

Doug MacKenzie and Dave Kelly, guitar and harmonica, folk music, 4 p.m., Allen St. stage.

Nittany Highland Pipe Band and Nittany Scottish Dancers, 5 p.m., Festival Tent

Songs "Back When" with Ernie and Ken, banjo and piano, 6 p.m., Festival Tent.

CPFA film, *Union Maids, Rosaparts of Clay*, 6 p.m., HUB assembly room.

CPFA jazz festival, 7 p.m., Festival Tent.

Nathaniel Rosen, cellist, 8 p.m., Music Bldg. recital hall.

Festival Theatre, *A Little Night Music*, 2:30 and 8 p.m., Playhouse Theatre.

Nittany Mountain Summer Spectrum, The Earl Scruggs Revue, 8 p.m., Eisenhower Auditorium.

CPFA film, *Ride the High Country*, 9:30 p.m., HUB lawn. (Rain: HUB ballroom).

Laser-Music in Concert, Reginald Pollack, 10:30 and 11:30 p.m., Festival Tent.

Sunday, July 17

P.S.O.C. Hiking Division, trail improvement at Big Flat with swim and picnic supper, 9 a.m., HUB parking lot.

CPFA, "The Playing's the Thing," games to increase sensory awareness, noon, Old Main lawn.

State College Municipal Band, traditional music, 1 p.m., Allen St. stage.

Beaver Brothers Band, light rock, 1 p.m., Festival Tent.

Student films, dramatic films from New York University, 1-3 p.m.; documentaries from Temple University, 3-5 p.m., HUB assembly room.

Nova Consort, medieval to modern music performed on medieval instruments, 3 p.m., Festival Tent.

Altoona Mannerchor, male chorus, 3 p.m., Allen St. stage.

State College Choral Society Madrigal Singers, 5 p.m., Festival Tent.

Rio, Brazilian jazz and contemporary music, 4:30 p.m., Allen St. stage.

University Readers, "Literature for Fun," 4 p.m., Festival Tent.

Film as Art, 1977, avant-garde works chosen by the American Film Festival, 5 p.m., HUB assembly room.

Stevie and the Six Packs, music for the '50s buffs, 6:30 p.m., Allen St. stage.

CPFA film, *Walkabout*, 7 p.m., HUB assembly room.

Festival Theatre, *A Little Night Music*, 7:30 p.m., Playhouse Theatre.

The Opera Society of Central Pennsylvania and the State College Symphony Orchestra, 8 p.m., Music Bldg. recital hall.

Donna Gibbons Sommese, pantomime demonstration and workshop, 8 p.m., Festival Tent.

Matthew Dodd and Natchez Trace, soft rock, 8:30 p.m., Allen St. stage.

Gil Aberg, comic, 9 p.m., Festival Tent.

CPFA film, *Meet Me in St. Louis*, 9:30 p.m., HUB lawn.



The Hoofers perform July 20 in Eisenhower Auditorium.

Monday, July 18

Color Slide Club meeting, 7:30 p.m., Room 112 Kern.

Nittany Mountain Summer Spectrum, Baltimore Symphony Orchestra, 8 p.m., Eisenhower Auditorium.

Tuesday, July 19

College of Education faculty luncheon, 12:30 p.m., Room 101 Kern.

World Future Society, 4 p.m., Rare Books Room, Pattee. Charles W. Mann, head, Special Collections, on "The Library's Utopian Novels and Science Fiction Collection."

Festival Theatre, *A Little Night Music*, 8 p.m., Playhouse Theatre.

Wednesday, July 20

Graduate Council meeting, 3 p.m., Room 101 Kern.

G.S.A. Commonsplace Theatre, *Taxi Driver*, 7:30, 9:30 and 11:30 p.m., Room 112 Kern.

Festival Theatre, *A Little Night Music*, 8 p.m., Playhouse Theatre.

Nittany Mountain Summer Spectrum, The Hoofers, 8 p.m., Eisenhower Auditorium.

Thursday, July 21

College of Education Faculty Council meeting, 2:20 p.m., Room 101 Kern.

Festival Theatre, *A Little Night Music*, 8 p.m., Playhouse Theatre.

Festival Theatre, Preston Jones, *The Last Meeting of the Knights of the White Magnolia*, 8 p.m., Pavilion Theatre.

Office of Student Activities free film, *The Mouse that Roared*, 9 p.m., HUB lawn.

Friday, July 22

Behind the Scenes with *The Last Meeting of the Knights of the White Magnolia*, 3 p.m., Pavilion Theatre. Free admission.

Nittany Mountain Summer Spectrum, The Tammy Wynette Show, 7:30 and 9:15 p.m., Eisenhower Auditorium.

Festival Theatre, *A Little Night Music*, 8 p.m., Playhouse Theatre.

Festival Theatre, Preston Jones, *The Last Meeting of the Knights of the White Magnolia*, 8 p.m., Pavilion Theatre.

Saturday, July 23

Penn State Wargaming Club meeting, noon, Room 101 EE East.

Festival Theatre, *A Little Night Music*, 8 p.m., Playhouse Theatre.

Festival Theatre, *The Last Meeting of the Knights of the White Magnolia*, 8 p.m., Pavilion Theatre.

Sunday, July 24

P.S.O.C. Hiking Division, move boulders at Promontory with swim and picnic supper, 9 a.m., HUB parking lot.

Penn State Wargaming Club meeting, noon, Room 101 EE East.

G.S.A. outdoor concert, Round II, 7 p.m., Fisher Plaza.

Festival Theatre, *The Last Meeting of the Knights of the White Magnolia*, 7:30 p.m., Pavilion Theatre

Exhibits

Anthropology Museum: Hours are Tuesday and Thursday, 9 a.m. — noon, and Wednesday, noon — 5 p.m. Special ceramics exhibit open July 15 — 17, 1 — 5 p.m. Entrance at rear of Sparks.

Chambers Gallery: Hours are 8 a.m. — 5 p.m. daily. Juried fine arts show of the Art Alliance of Central Pennsylvania.

Earth and Mineral Sciences Museum: Hours are Tuesday — Sunday, 1 — 5 p.m., and by appointment for groups. Special exhibit, "Mineral Pigments and the Arts," July 14 — 17, 9 a.m. — 9 p.m. (July 17 to 5 p.m.) Mineral Industries Bldg.

Hammond Gallery: Hours are noon — 7 p.m. daily. Scholastic poster designs based on the new CPFA logo; winning entries in poetry competition of CPFA.

HUB Gallery: Smithsonian Institution exhibit, "American Coverlets," CPFA children's art exhibit.

Kern Commons Gallery: "Group f64," photographs by Ansel Adams, Imogen Cunningham, Willard Van Dyke and Edward Weston; CPFA invitational photography exhibit, both through July 17.

Materials Research Laboratory Science and Art Museum: Hours are 1 — 5 p.m. Sculptures by Barbara Hepworth, Max Bill and others; CPFA juried art and science exhibition. Room 201 MRL.

Museum of Art: Hours are Tuesday — Sunday, noon — 5 p.m. Special hours during CPFA, July 14-16, to 9 p.m.; July 17, to 7 p.m. Tours every Sunday, 2:30 p.m., and July 15, 16, 22, and 23 at 1:30 p.m. American Paintings from the Collection of Daniel J. Terra; The Realist Tradition in American Art: Selections from the Permanent Collection; CPFA juried craft exhibit.

Museum of Art HUB Gallery: CPFA invitational fine arts exhibit.

Pattee Galleries: Pete Lafferty, ceramics, Main Lobby. Reginald Pollack, paintings, through July 18. East Corridor Gallery. Stephen Hirshon, photography. Lending Services Lobby. Thomas Hare, paintings, West Pattee Lobby.

Zoller Gallery: Hours are Tuesday — Sunday, noon — 5 p.m. Special hours during CPFA, July 14 — 16 to 9 p.m. and July 17 to 7 p.m. Antonio Frasconi, woodcuts, lithographs and intaglios.

Lectures, Seminars

Thursday, July 14

Intergenerational Summer Community Lecture. Improvisational Players, a group of older adults in the Altoona area who have become involved in improvisational theatre, 7:30 p.m., Keller Auditorium.

Saturday, July 16

Antonio Frasconi, printmaker and artist-in-residence, open discussion, 4 p.m., Zoller Gallery.

Tuesday, July 19

Acoustics Seminar. M. K. Bull, University of Adelaide, on "Noise Generation Due to Fully Developed Turbulent Flow in Pipes," 4 p.m., Room 151 Willard.

Intergenerational Summer Community Lecture. Herbert A. deVries, Mobile Laboratory for Physiology of Exercise and Aging Research, University of Southern California, and Lawrence J. Frankel, Lawrence Frankel Foundation, on "Physical Fitness in Middle and Later Life," 7:30 p.m., Keller Auditorium.

Wednesday, July 20

Intergenerational Summer Community Lectures, James J. Potter and Joseph H. Bruton on "Schools Converted into Housing and Centers for Older Adults: A Community Forum for an Exploratory Project," 2 p.m., Room 112 Kern. Roger N. Cornish on "Theatre for the Retired: Age Is No Barrier," 7:30 p.m., Room 101 Kern.

Psychology, Betty Drinkwater, James Cook University, Australia, on "Cognitive Skills of Australian Aboriginal Children," 1 p.m., Room 351 Moore.

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Penn State Intercom

From the Trustee Docket



Dr. Arbuckle

Arbuckle chosen to head New Kensington

The appointment of Dr. Robert D. Arbuckle as director of the New Kensington Campus has been approved by the Trustees on the recommendation of President Oswald.

"It was certainly my delight to bring to the Board a person as well qualified as Dr. Arbuckle," Dr. Oswald said. "Dr. Arbuckle has given distinguished service to the University in both academic and administrative capacities, especially at the New Kensington Campus."

Dr. Arbuckle, who has served as associate director for academic affairs at the Campus since 1974, succeeds Harry Russell, who retired, effective July 1, after heading the Campus since 1968.

A graduate of Clarion State College, Dr. Arbuckle received M.A. and Ph.D. degrees, both in history, from Penn State. He taught history at Burrell Senior High School and was assistant professor of history at the University of Pittsburgh's Bradford Campus before joining the New Kensington faculty in 1968 as an instructor. He was named assistant professor of history in 1972 and was promoted to associate professor in 1976.

At New Kensington, Dr. Arbuckle has served as chairman and vice chairman of the Faculty Senate and as chairman of the Student Affairs Committee, the Student Affairs Appeals Board, and the Liberal Arts Academic Unit Committee.

He also chaired the Campus Planning Task Force, served as a member of the Commencement Committee and Educational Opportunity Program Committee, and represented the Campus on the Commonwealth Campus Faculty Advisory Committee at University Park.

Dr. Arbuckle is the author of a book, *John Nicholson: Pennsylvania Speculator and Patriot*, and of articles in professional journals. In addition, he has been the recipient of two fellowships.

Student Aid to administer Renaissance Fund

The Renaissance Fund, Inc., Scholarship program has been formally integrated with the University's other major scholarship programs and will be administered by the Office of Student Aid.

The Renaissance Fund was initiated in 1970 by five members of the Board of Trustees: H. Jesse Arnelle, the late Michael Baker Jr., Frederick J. Close, Ralph D. Hetzel and Dr. Helen D. Wise.

These Trustees emphasized the Fund's role as a renewal of the Land-Grant ideal "to provide instruction of the classes of Americans . . . who do not have the means for higher education." A current target of the program is "young people who are very poor economically but who studied hard and successfully all through high school."

Trustees currently serving on the board of directors of the fund are Mr. Arnelle, Robert L. Ruttenberg and Marian U. Barash. Nancy F. Desmond, of State College, serves as president of the board of directors; Mr. Ruttenberg is vice-president; and Dr. Robert Malcolm, of State College, is secretary-treasurer.

The Renaissance Fund is supported by gifts from alumni, industries, businesses, friends, student organizations and other interested groups and individuals. Recipients of scholarships are selected by the scholar selection committee of the Renaissance Fund, with approval of the director of student aid.

The number of Renaissance Scholarships granted each academic year is dependent upon the amount contributed annually to the Renaissance Fund. The amount of each award will be determined by the Renaissance Fund executive committee. Each scholarship is normally awarded for one academic year, but may be renewed by the selection committee for subsequent years if the recipient continues to meet all requirements and funds are available.

From 1970 to 1977, the number of Renaissance Scholars has varied from 30 to 105 per year. More than $240,000 has been awarded in Renaissance scholarships.

Fayette building name honors Orville E. Eberly

A classroom-laboratory building at the Fayette Campus has been named the Orville E. Eberly Classroom Bldg., with Trustee approval.

Following establishment of the Campus in 1965, Mr. Eberly took the lead in a fund-raising effort to raise $1,200,000 by making the largest gift of $100,000 and encouraging other major donors to lend their support.

"His outstanding leadership brought about a successful over-the-top campaign in the first two years of the Fayette Campus," according to Hugh M. Barclay, Campus director. "Again in 1976, he contributed another $100,000 gift earmarked for a second classroom-laboratory building. At the same time, he has worked closely with the Fayette County Commissioners in their very sizeable long-term support over the last 11 years.

Since the inception of the Fayette Campus, Mr. Eberly, through the Eberly Foundation, has expressed his interest in students by making available $10,000 annually for tuition and books to students needing financial help. To date, this aid has amounted to more than $100,000.

In 1969 he received the Penn State Distinguished Service Award in recognition of his outstanding support of the Fayette Campus.

(Continued on page 4)

News in Brief

Preston Jones to visit

Playwright Preston Jones, whose play, *The Last Meeting of the Knights of the White Magnolia*, opens at the Pavilion Theatre today (July 21), will be on campus July 28-31 to meet with students and faculty and to present two public sessions on his work.

The Last Meeting of the Knights of the White Magnolia is part of Mr. Jones' *Texas Trilogy*, which enjoyed a successful run at Washington's Kennedy Center last year.

Mr. Jones will offer a "Behind the Scenes" look at his play at 3 p.m. Saturday, July 30, in the Pavilion Theatre. There is no admission charge to this presentation, but tickets are required. They may be obtained at the Playhouse box office daily from 10 a.m. until 9 p.m.

Following the Sunday, July 31, performance of his play, Mr. Jones will meet informally with the audience to talk and to answer questions.

He will be accompanied on his Penn State visit by his wife, Mary Sue, who designed the set for the first production of *The Last Meeting of the Knights of the White Magnolia* when the play premiered at the Dallas Theatre Centre.

Mr. Jones' visit is sponsored by the University's Institute for the Arts and Humanistic Studies.

Senate issues budget appeal to State legislature

Dr. Thomas E. Daubert, chairman of the University Faculty Senate, and Dr. Ernest L. Bergman, chairman of the Senate's External Affairs Committee, sent a letter July 12 on behalf of the Senate urging the State legislature to consider the impact of the proposed $9 million decrease in the University's appropriation.

The letter was sent to Henry J. Cianfrani, chairman of the Senate Appropriations Committee, and to his counterpart in the House of Representatives, Max Pievsky.

Noting that Penn State now costs the State less per student than does any other State-owned or State-regulated college or university, Dr. Daubert and Dr. Bergman pointed to the high tuition levels already prevailing at the University.

"The natural consequences of such a drastic reduction in the budget," they wrote, "will include curtailment of our extension services, continuing education courses, and a number of workshops now relied upon to provide many services to the Commonwealth. . . . In sum, the net effect of these cuts will be a severe decrease in the quality of higher education, which is one of the most valuable resources available to the Commonwealth."

Mrs. Mateer establishes theatre residency program

Mrs. A. Laura Mateer of State College has made a contribution to the University to establish an endowed fund to support a residency program in the theatre arts department. Mrs. Mateer, widow of the late M. C. (Matty) Mateer, has maintained an interest in and supported theatre at Penn State for many years. Her husband provided funds to purchase the Standing Stone Playhouse, near Petersburg, later renamed Mateer Playhouse. It was used for theatre training and study, while providing professional quality entertainment for Central Pennsylvania.

History dissertation wins Turner award

A book based on the Ph.D. dissertation of a former Penn State graduate student, published this spring by Cornell University Press, has been awarded the prestigious Frederick Jackson Turner Award of the Organization of American Historians.

It is *Harpers Ferry Armory and the New Technology: The Challenge of Change*, by Dr. Merritt Roe Smith, formerly a student in

(Continued on page 3)

Ask the Editor

Questions for Ask the Editor should be sent to Room 312 Old Main, University Park, 865-7517. Letters should be signed although names will be withheld on request.

Q. TIAA sends out each year a statement of our present, predicted retirement benefits based on our own contributions. How can we compute the extra benefits due to the University's contributions?

A. The annual retirement statements furnished by the Teachers Insurance and Annuity Association (TIAA) include both the employer's and employee's contributions. The projected retirement annuity, therefore, includes **all** premiums, but it is based on the assumption that premiums will continue at the present rate. Of course, any increase in salary will naturally increase the amount of premium the employee and the University contribute toward an individual's TIAA account.

Employee Benefits Division

Q. The University continually reminds us of its added commitment to educating adults (as opposed to very recent high school graduates). That's great. But does this attitude take in dependents of faculty and staff? I'd prefer that my children work for a couple (even a few) years before they go to college. Supposing they do that or join the military — all while maintaining their legal address with me. Are they still eligible for reduced tuition benefits when they're ready to start college at age 23?

A. The University's dependent grant-in-aid policy provides for a 75 percent tuition reduction for dependents of full-time faculty or staff members enrolled in credit courses (resident instruction or continuing education) at any campus of the University. The grant-in-aid policy has no age restriction for dependent children so long as they are unmarried and working on their first bachelor's degree.

Employee Benefits Division

PENN STATE COLLECTION

Penn Staters

Harry Russell, director of the New Kensington Campus since 1970, has retired, effective July 1. He also served the Campus as acting director from 1968 to 1970.

Prior to coming to New Kensington, Mr. Russell played a prominent civic and professional role in Shenango Valley. He was for 20 years a teacher, curriculum supervisor, business manager and superintendent of schools in Sharon.

During his tenure at New Kensington, Mr. Russell headed a drive that raised some $580,000 to build a three-story Student Learning Center and saw the completion of a new physical education building complex. The former gymnasium was renovated into a modern, 385-seat theater and now serves as the locale for many Campus and community events. Mr. Russell also created an art gallery with an active schedule of exhibitions.

Mr. Russell received his B.S. from Western Reserve University and his M.Ed from Westminster College.

Dr. Joseph G. O'Mara, professor and head of the Department of Biology, retired July 1 with the rank of professor emeritus of biology.

Dr Eugene S. Lindstrom, associate dean for resident instruction, is serving as interim head of the department.

Dr. O'Mara joined the University in 1965 as professor and head of the Department of Botany in the newly formed College of Science. The Department of Biology was formed in 1967 with Dr. O'Mara as its first head when the Departments of Botany and Zoology merged. Under Dr. O'Mara's direction, the biology department has seen an increase in student enrollment from about 300 majors to nearly 1,100.

A specialist in genetics, Dr. O'Mara was professor and chairman of the Department of Genetics at Iowa State University for 15 years prior to coming to Penn State. He began his professional career at the University of Missouri, where he served for 14 years as a geneticist.

A native of Boston, Mass., he received the B.S. degree from the University of Massachusetts and M.S. and Ph.D. degrees from Harvard University.

James R. Steel Jr., assistant professor of botany at the Ogontz Campus, took early retirement on July 1 at the conclusion of 32 years of service to the University. He was appointed to the faculty at the Hazleton Campus in 1945 and transferred to Ogontz in 1961. Prof. Steel received his bachelor's degree from the University of Pennsylvania in 1943 and his master's from Duke University in 1950. He is the author of a novel, *The Bio-Factor,* published by Heathcote, N.Y., in 1972.

Dr. Lawrence F. Marriott retired on June 30 as associate professor of soil fertility. He had served since 1955 as a member of the Department of Agronomy faculty. One of the founders of the Penn State Federal Credit Union, he was its first treasurer

Born and reared on a farm south of Browns, Ill., Dr. Marriott completed his undergraduate work in general agriculture at the University of Illinois in 1935. He was employed by the Department of Agronomy there until late 1942 when he entered the military service, serving as a liaison pilot with the field artillery of the Army until 1945 For the next five years, he operated the family farm. Enrolling at the University of Wisconsin, he qualified for an M.S. in 1953



Top row, from left: Harry Russell, James R. Steel Jr., Laurence F. Marriott. Bottom: Joseph G. O'Mara, Robert R. Reed Jr.

and a Ph.D. in 1955, both in soil fertility.

During his 22 years at Penn State, Dr. Marriott conducted research in the field of forage fertilization and most recently was concerned with the application of farm wastes as fertilizer.

Dr. Robert R. Reed Jr., professor of English specializing in Renaissance and dramatic literature, retired July 1. He had been a member of the faculty for 27 years.

A native of New York City, Dr. Reed received an A.B. degree in classics from Pomona College in 1937. He earned his M.A. and Ph. D. degrees in comparative literature from Columbia University. During World War II, he was a line officer in the Coast Guard and served in the Southwest Pacific. From 1947 to 1950, he was an instructor at New York University.

Dr. Reed is the author of five books: *Bedlam on the Jacobean Stage, The Occult on the Tudor and Stuart Stage, Richard II: From Mask to Prophet,* and two volumes of poetry. His articles have appeared in a number of professional journals, and he has had more than 30 poems published.

Michael J. Petscavage, assistant professor of engineering at the Wilkes-Barre Campus, retired June 30 after 20 years of service. Prior to joining the faculty in 1957 as an instructor, Prof. Petscavage worked for American Chain & Cable Co., Wilkes-Barre; Seaboard Electric Co., New York City; and Kennedy Van Saun Engineering and Manufacturing Co., Danville. On a part-time basis, he consults for the city of Wilkes-Barre, where he was formerly superintendent of electricity.

Two acting appointments to administrative positions in the College of Agriculture have been announced. **Dr. J. Dean Jansma** is serving as acting assistant dean and acting assistant director for the Agricultural Experiment Station during the present fiscal year. Dr. Jansma, professor of agricultural economics, temporarily replaces Dr. Robert F. Hutton, who is on a leave of absence.

Serving as acting director of the School of Forest Resources is **Prof. Rex E. Melton,** present administrative assistant in the School. Prof. Melton replaces Dr Wilber W. Ward, who asked to return to teaching and research. A new director for the School of Forest Resources will be named by December, according to Dr. James M. Beattie, dean of the College of Agriculture.

Dr. Richard D. Duckworth has been named professor of aerospace studies and head of the Air Force Aerospace Studies program. He has a B.S. from Texas Christian University, an M.S. from Baylor, and a Ph.D. in economics from the University of Colorado. A command pilot, he has served on the faculties of the Industrial College of the Armed Forces, the National War College, and the U.S. Air Force Academy.

Dr. Richard H. Forsythe, vice-president — food science and technology, Campbell Soup Co., N.J., has been named adjunct professor of food science, effective June 1. Dr. Forsythe will serve on graduate committees within the Department of Food Science, present guest lectures, and be available for consultation with faculty and students. He is a graduate of Iowa State University, which also awarded him a Ph.D. in biophysical chemistry. He taught at Iowa State and from 1960 to 1967 was also head of the Department of Poultry Science there. Since 1973, he has been vice-president — basic research, of Campbell's Institute for Food Research.

Louis F. Geschwinder Jr. has been promoted to assistant professor of architectural engineering, effective July 1.

Dr. Richard H. Herman, associate professor of mathematics, presented papers at international conferences in Italy and France in June. In Rome, he spoke at the International Conference on the Mathematical Problems in Theoretical Physics at Rome University. His address was titled "Unbounded Derivations of C* Algebras and Corresponding Dynamics.," In Marseille, he presented a paper titled "Perturbations of Dynamics" at the Colloquium on Operator Algebras and Applications to Mathematical Physics.

Dr. Robert E. Hauser, assistant professor of history, and **Karen J. Cowles,** instructor in sociology, both at the McKeesport Campus, were invited to teach their course in Simulated Economic Societies at the University of Lodz in Lodz, Poland, by the Institute for Organization and Management. They offered the course to 40 doctoral candidates in business management, economics and sociology from June 9 through June 22. They also made a presentation at the Polish Academy of Science in Warsaw.

Ron Gallas, assistant professor of art, has been elected to the board of directors of the National Council on Education for the Ceramic Arts. He is also a recent recipent of a National Endowment for the Arts Craftsmen's Fellowship Grant. Mr. Gallas joined the University in 1974, after earning his M.F.A. in ceramics and glass blowing at the University of Minnesota.

Dr. Robert O. Herrmann, professor of agricultural economics, has been appointed editor of the Journal of Consumer Economics of the American Council on Consumer Interests. **Dr. Rex H. Warland,** associate professor of rural sociology, will serve as associate editor.

Dr. Ian S. Zagon, assistant professor of anatomy at Hershey, recently served as a Distinguished Lecturer in Anatomy at the Medical College of Virginia, where he spoke on "Methadone: Its Effects on Neurobiological Development "

Dr. George E. Andrews, professor of mathematics, presented a series of invited lectures in July at the Institute of Mathematics at the National University of Mexico. He discussed applications of combinatorial analysis to number theory.

Dr. Douglas E. MacDonald, assistant professor of engineering mechanics, presented two papers at international conferences in England and Spain in June and July. He spoke on "Investigation of the State of Fatigue in Metals Using Ultrasonics" at the Ultrasonics International 1977 Conference in Brighton. His second paper, "Ultrasonic Frequency Metal Fatigue: A Review," was given at the 9th International Congress on Acoustics in Madrid.

Dr. Wallace E. White, who retired from the University in 1964 as professor emeritus of wood technology, following 35 years of service, died July 7. He was 78. At the time of his retirement, he was also assistant director of the School of Forestry.

A native of Boston, Mass , Dr. White held B.S. and M.S. degrees from the University of Vermont and a Ph. D. from Yale in botany and silviculture. He joined the faculty in 1929, after serving on the staff of the Vermont Agricultural Experiment Station and initially taught at the University's Mont Alto Campus. During his years at Penn State, it was estimated that every forestry student at the University attended at least one of his classes. In 1964, he was honored with a Lindback award.

Penn Staters garner instruction awards

A Penn State professor's "trilingual" approach to teaching geography has earned him national recognition as a top instructor.

Dr. Peter R. Gould, professor of geography, has been selected as one of 32 outstanding college and university teachers in the fields of geography, music, and sociology in a national report on improved undergraduate teaching published July 1 by Change Magazine under a grant from the federal government's Fund for the Improvement of Postsecondary Education.

Dr. Gould is cited for devising "one way of dealing with students who think they are allergic to working with figures." The "trilingual approach" is a teaching technique Dr. Gould worked out several years ago with his colleague Conrad Strack. It is based on the assumption that all geographers must use three languages to describe their subject — words, maps and graphics (which students seem to take in stride), and algebra.

Dr. Gould reasoned that if students could be convinced that abstract algebraic statements could be translated into word or picture equivalents, students might be reassured — even curious — about mathematical aspects of geography.

Often, says Change Magazine, the previously feared algebra proves "surprisingly easy" for geography students since they can understand its function better.

Change, a leading monthly in the academic field, has launched an extended inquiry into the state of American undergraduate teaching. The current teaching report is one of a semiannual series that focuses on every major field of study.

The geography citations turned out be a Penn State affair.

Harvey Heiges, a Penn State graduate, is recognized for his internship program in applied geography at San Diego State University, where he is associate professor of geography.

Eugene L. Ziegler, also a Penn State alumnus, holds joint appointments in Colgate University's geography and computer science departments. Change cites his work in combining the "spatial science" of geography with computer science.

Calendar

July 21 — 31

Special Events

Thursday, July 21
Shaver's Creek Nature Center, dusk walk, 6:30 p.m., Stone Valley.
Festival Theatre, *A Little Night Music*, 8 p.m., Playhouse Theatre.
Festival Theatre, Preston Jones, *The Last Meeting of the Knights of the White Magnolia*, 8 p.m., Pavilion Theatre
Office of Student Activites free film, *The Mouse that Roared*, 9 p.m., HUB lawn.

Friday, July 22
Behind the Scenes with *The Last Meeting of the Knights of the White Magnolia*, 3 p.m., Pavilion Theatre.
Nittany Mountain Summer Spectrum, The Tammy Wynette Show, 7:30 and 9:15 p.m., Eisenhower Auditorium
Festival Theatre, *A Little Night Music*, 8 p.m., Playhouse Theatre.
Festival Theatre, *The Last Meeting of the Knights of the White Magnolia*, 8 p.m., Pavilion Theatre.
Shaver's Creek Nature Center, "ghoulies and beasties and things that go bump in the night," 8:30 p.m., Stone Valley.

Saturday, July 23
Penn State Wargaming Club meeting, noon, Room 101 EE East.
Festival Theatre, *A Little Night Music*, 8 p.m., Playhouse Theatre.
Festival Theatre, *The Last Meeting of the Knights of the White Magnolia*, 8 p.m., Pavilion Theatre.

Sunday, July 24
Field hockey Olympic development camp, all day and evening, Astro-turf field Through Friday, July 29.
P.S.O.C. Hiking Division, move boulders at Promontory with swim and picnic supper, 9 a.m., HUB parking lot.
Penn State Wargaming Club meeting, noon, Room 101 EE East
G.S.A. outdoor concert, Round II, 7 p.m., Fisher Plaza.
Festival Theatre, *The Last Meeting of the Knights of the White Magnolia*, 7:30 p.m., Pavilion Theatre.

Monday, July 25
Last date for August graduates to deliver theses to Graduate School.
Last date for departments to certify to Graduate School completion of required papers for August graduates

Tuesday, July 26
Festival Theatre, *The Last Meeting of the Knights of the White Magnolia*, 8 p.m. Pavilion Theatre.

Wednesday, July 27
G.S.A. Commonsplace Theatre, *Refer Madness*, 7:30, 9:30 and 11:30 p.m., Room 112 Kern.
Festival Theatre, *The Last Meeting of the Knights of the White Magnolia*, 8 p.m., Pavilion Theatre

Thursday, July 28
Festival Theatre, *The Last Meeting of the Knights of the White Magnolia*, 8 p.m., Pavilion Theatre
Office of Student Activites free film, *Lost Horizon*, 9 p.m., HUB lawn.



Friday, July 29
france-cinema, Robert Bresson, *Diary of a Country Priest*, French with English subtitles, 7 and 9 p.m., Room 112 Kern.
Festival Theatre, *The Last Meeting of the Knights of the White Magnolia*, 8 p.m., Pavilion Theatre.
Festival Theatre, *Gershwin Revisited*, a musical revue of the favorite works of George Gershwin, 8 p.m., Playhouse Theatre

Saturday, July 30
Penn State Wargaming Club meeting, noon, Room 101 EE East.
"A Conversation with Preston Jones," 3 p.m., Playhouse Theatre Free admission.
Festival Theatre, *The Last Meeting of the Knights of the White Magnolia*, 8 p.m., Pavilion Theatre
Festival Theatre, *Gershwin Revisited*, 8 p.m., Playhouse Theatre.

Sunday, July 31
Penn State Wargaming Club meeting, noon, Room 101 EE East.
Festival Theatre, *The Last Meeting of the Knights of the White Magnolia*, 7:30 p.m., Pavilion Theatre Preston Jones will answer questions at the conclusion of this performance.
Festival Theatre, *Gershwin Revisited*, 7:30 p.m., Playhouse Theatre.

Lectures, Seminars

Friday, July 22
College of Education PDK Summer Lecture. Harlan Hoffa on "Real Alive Artists in Wide Awake Schools," 9:30 a.m., Room 112 Kern.

Monday, July 25
Intergenerational Summer Community Lecture Ruth France on "Aunt Lydia Needs a Nursing Home — or Does She?" 7:30 p.m., Room 101 Kern.

Tuesday, July 26
Intergenerational Summer Community Lecture. O. Randolph Bragg, Lackawanna County Legal Aid and Defender Association, Fred Faber, Keystone Legal Services, on "Common Legal Problems Encountered by Older Adults," 7:30 p.m , Room 101 Kern.

Wednesday, July 27
Phi Delta Kappa "Fast Back" Seminar Twyla M. Shear, Cecil R. Trueblood, and Fred H. Wood on "Three Views of Competency-Based Teacher Education: Theory, University of Houston, University of Nebraska," 10 a.m., Room 101 Kern.
Intergenerational Summer Community Lecture Arthur H Patterson, Man-Environment Relations, PSU, Charles Brown, Centre County District Attorney, Colien Hefferan, Consumption and Behavior Economics, PSU, on "Victimization and Quackery," 7:30 p.m., Room 101 Kern.

Thursday, July 28
Intergenerational Summer Community Lecture Dennis R. Hameister, Gerontology Center, PSU, Elise Post, Office for the Aging, Harrisburg, Harry Riemer, Bureau of Planning, Harrisburg, Joe Bard, Office of Lifelong Learning, Harrisburg, on "Lifelong Learning of Older Adults in Pennsylvania: A Perspective from State Government," 7:30 p.m., Room 101 Kern.

Exhibits

Frost Entomological Museum: special gypsy moth exhibit.
Hammond Gallery: scholastic poster designs based on the new CPFA logo, winning entries in poetry competition of CPFA, both through July 25
HUB Gallery: Smithsonian Institution exhibit, "American Coverlets"; CPFA children's art exhibit, through July 23.
Kern Commons Gallery: Denise Lauzner Stone, ceramics.
Museum of Art: American Paintings from the Collection of Daniel J. Terra, the Realist Tradition in American Art: Selections from the Permanent Collection, CPFA juried craft exhibit.
Museum of Art HUB Gallery: CPFA invitational fine arts exhibit
Playhouse Gallery: "20 Years of Festival Theatre."
Sackett Gallery: visual communication products in Systems — drawings and three dimensional models
Zoller Gallery: Antonio Frasconi, woodcuts, lithographs and intaglios, through July 30.

WPSX Highlights

"The time will come when it can be seen that Wendell Wilkie made a greater contribution to the security, the welfare, and the progress and vision of his nation than most elected presidents," the Christian Science Monitor once wrote. Highlights of the Indiana politician's career as a 1940 presidential candidate and later as envoy for President Franklin D. Roosevelt during the war years are reviewed through newsfilm on **Lowell Thomas Remembers**, Saturday, July 23, at 8 p.m.

Something Personal, a new, nine-part series featuring film portraits of individual women, begins Sunday, July 24, at 7:30 p.m. with a look at the problems of a group of adolescent girls. Other programs will document the experiences of women concerned about rape, divorce, lesbianism, child care, single parenthood, widowhood and professional development.

Ballet superstar Mikhail Baryshnikov and members of the American Ballet Theatre are featured on **In Performance at Wolf Trap,** Tuesday, July 26, at 8 p.m. Baryshnikov performs "Vestries," a solo created especially for him, as well as Twyla Tharp's "Push Comes to Shove" and the pas de deux from "Coppelia." Other performers include Gelsey Kirkland, Martine Van Hamel, and Marianna Tcherkassky.

Victor Garber and Gilda Radner (of NBC's "Saturday Night") are the happy-go-lucky Jack and Jill of Hearts of *Jack: A Flash Fantasy*, seen Tuesday, July 26, at 9 p.m. on **Opera Theater.** A musical explosion of cards, nursery rhymes, and fairy tales for adults, the experimental opera ranges from the musical comedy style of the 1940s to contemporary rock.

State Senator Robert Jubelirer (R-30), a member of the Senate Transportation Committee, will answer questions about transportation problems in Central Pennsylvania on **Talkabout,** Wednesday, July 27, at 7:30 p.m.

News in brief

(Continued from page 1)

the Department of History and now an associate professor of history at Ohio State University. At Penn State, Dr. Smith's graduate work was supervised by Dr. Philip S. Klein, professor emeritus of American history, and Dr. Hugo A. Meier, associate professor of history.

Focusing on the U. S. armory at Harpers Ferry, Va., from 1798 to 1861, Dr. Smith highlights the major problems related to technological change in America during those years. Local resistance and a lingering craft tradition hampered inventive activity at Harpers Ferry, so that it never became the center of innovation its counterpart, the national armory at Springfield, Mass., was. In his examination of that resistance, Dr. Smith challenges the idea that Americans have always welcomed technological advances.

A 1963 graduate of Georgetown University, Dr. Smith earned his M.A. and Ph.D. at Penn State.

If you'd like to exercise

A nine-week program of exercise on a bicycle ergometer in cool water is available for overweight women. The program is designed to expend 3000 Calories per week and involves a five-day per week exercise schedule. Individualized starting dates and exercise times are available. For more information, contact graduate assistant Lois Sheldahl, Room 122 Noll Laboratory. The phone number is 865-2432.

Elsewhere in Academe

Desegregation ordered

The Department of Health, Education and Welfare has given the state college systems of Arkansas, Florida, Georgia, North Carolina, Oklahoma, and Virginia 60 days to submit desegregation plans and issued guidelines designed to check racial imbalances in other states. The guidelines require that, 1) states, by 1982, increase the number of black students in their public colleges and assure that equal percentages of black and white high school graduates are enrolled in colleges; 2) four-year predominantly white colleges increase their black enrollment by 1982; 3) states reduce the rate of black college dropouts; and 4) more white students be encouraged to attend predominantly black colleges.

Fewer new teachers

The number of graduates prepared to enter teaching dropped by 6.2 percent in 1976 — the fourth consecutive year there has been a decline. A National Education Association study found that 233,470 new students entered the profession last year. For the 185,850 who were likely to seek teaching jobs, only 94,050 positions were available.

IRS proposes tax on broadcasting rights

Legislators, educators and athletic directors are protesting an Internal Revenue Service decision to tax the income that colleges earn from the sale of radio and television broadcasting rights to football games. The decision, made by the IRS office in Dallas, was applied against the Cotton Bowl Athletic Association, Southern Methodist University, Texas Christian University and the University of Kansas. The revenue agents maintain that the broadcast revenue earned by these institutions was not related to their primary function of education. Final resolution of the issue is months away.

Women hold few top posts in higher education

Women are paid about four-fifths as much as men with the same job titles at the same type of institution, according to one of the findings in a recent survey of employment patterns and salary levels of women and minority group members in colleges and universities. Men from minority groups are employed predominantly in lower-paying positions but generally get as much pay for their jobs as white men with the same job titles. Among the institutions surveyed, 79 percent of the top administrative posts were held by white men; while women held 14 percent; minority men, 25 percent; and minority women, 2 percent.

The only administrative job in which both females and males, whites and minority group members all had sizable representation was that of affirmative action officer — and male affirmative action officers earned more than female ones.

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INTERCOM is an internal communications medium published weekly during the four terms of the class schedule for the academic community of The Pennsylvania State University.

Items to be included in the calendar should be sent to the Calendar Editor, Room 312 Old Main, by Thursday of the week preceding publication.

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Trustee Docket

(Continued from page 1)

Mr. Eberly began his business career in coal and later moved into oil and gas drilling. He founded and organized the Gallatin National Bank, which has become a major banking institution in the Fayette County region. Presently "actively retired," Mr. Eberly continues to serve on a number of community boards and committees. His son, Robert E. Eberly, is a member of the Penn State Fund Council.

The Orville E. Eberly Classroom Bldg., which was occupied in January 1969, is the major building on the Fayette Campus. It contains classrooms, laboratories, and administrative offices.

Alumni scholarship program revised

The Alumni Memorial Scholarship and Loan Program has been revised as the Alumni Memorial Scholarship Program.

The purpose of the program, as approved by the Trustees, is "to recognize and attract outstanding undergraduate students who demonstrate exceptional academic achievement or promise."

Elimination of the loan provision of the program and the use of current federal, State and other institutional loan funds to meet the basic financial needs of students will permit more effective use of the limited scholarship funds, it was explained.

The Board also determined that the number of Alumni Memorial Scholarships awarded annually would depend upon the annual contributions made to the Alumni Memorial Scholarship Fund by alumni and friends of Penn State. The fund also may be supplemented as necessary by undesignated gifts from alumni and friends of Penn State as approved from time to time by action of the Board.

The scholarships are to be awarded to entering freshmen who display "outstanding academic capabilities, as demonstrated by performance on the Scholastic Aptitude Tests, in their high school grade scores, or other measures of achievement."

Support from an Alumni Memorial Scholarship normally will be for three academic terms a year. Each scholarship may be renewed for subsequent years if a cumulative grade average of 3.0 or better is maintained. Alumni Memorial Scholars may receive support for a maximum of 12 terms.

The scholarship recipients will be selected by the Freshman Scholarship Committee with scholarship renewals having funding priority over new awards. The Office of Secondary School Relations may recommend to the Freshman Scholarship Committee Penn State Scholars to be offered Alumni Memorial Scholarships.

The regulations as approved July 16 authorize awards equivalent to full in-state tuition to Alumni Memorial Scholars. Students with documented financial need must also apply for appropriate state or federal grant aid. Efforts will be made to grant priority for University loans to Alumni Memorial Scholars who have remaining unmet financial need.

The Alumni Memorial Scholarship Program was established at Penn State in 1953 as a memorial "to Penn State alumni who gave their lives in defense of their country." Since that time, nearly 600 students have been awarded Alumni Memorial Scholarships.

Schwab allocation authorized

With low bids for alterations and renovations to Schwab Auditorium exceeding the amount authorized for the project at the May meeting of the Board, the Trustees authorized an allocation not to exceed $951,233. The program will be financed with funds reserved for Labor and Industry's emergency compliance provisions. The improvements, for which contracts now will be let, are essential to bring Schwab Auditorium into compliance with Labor and Industry standards. Included in the renovations are an improved heating and ventilating system, with air conditioning, and facilities for handicapped persons.

HUB area named for Donovan

A reception area in the Hetzel Union Bldg., available for student, staff and faculty activities, has been named the George L. Donovan Room. Mr. Donovan, former head of Associated Student Activities, retired in 1968 and maintains his residence in State College.

The Trustees approved the designation, acting on a recommendation from University officials, who noted that "it was the administrative energy of Mr. Donovan, more than any one other single individual during that era, that led to the creation of the Hetzel Union Bldg. Mr. Donovan always envisioned the Student Union as a total campus facility to serve the entire University community — a concept that is still operational."

When the HUB was built in 1955, the reception area was, at the request of the students, designated as the President's Dining Room, honoring the then-president of the University, Dr. Milton S. Eisenhower. The facility is now available to all segments of the University community on a scheduled basis.

Mr. Donovan is a 1935 graduate of the University in the commerce and finance curriculum. He was named in 1939 to head the Student Union program. In 1947, he became head of the Associated Student Activities office as well. In 1958, he was chosen for the new position of coordinator of student activities, with responsibility for developing social and recreational activities for the greatest possible benefit of students. He was named assistant to the Vice-President for Student Affairs in 1966.

Campus parking plans okayed

Plans for adding student parking spaces at the New Kensington and Allentown Campuses and at Behrend College and the authorizing of the asking of bids and awarding of contracts were approved. Financing in all cases will be made available from present and future student parking fees.

At the New Kensington Campus, 55 new spaces are planned at a cost not to exceed $87,000. Action taken in March to construct 100 student spaces at New Kensington was rescinded after test borings and detailed contour studies indicated it was not practical to build the 100 spaces in the area designated.

For the 300 spaces planned for the new Allentown Campus, a sum not to exceed $450,000 has been authorized, while for construction of 53 spaces at Behrend College, a sum not to exceed $32,000 has been designated.

Electrical engineering scholarships set up

To provide scholarships for outstanding full-time undergraduates in electrical engineering, the RCA Scholarship in Electrical Engineering Fund has been established. The RCA Educational Aid Committee will make an annual contribution of $1,000 to the University to provide the annual scholarship of $1,000.

Electrical engineering students with at least a fourth-term standing are eligible for the scholarship, which will be awarded on the basis of academic achievement or promise of outstanding success and personal character. Financial need will also be a requirement, and the student must be planning a career in electrical engineering. The one-year awards may be renewed if the recipient continues to meet requirements for eligibility and funds are available.

The scholarship committee of the College of Engineering will choose the recipient with approval of the RCA Educational Aid Committee and the director of student aid.

Hershey-Conemaugh affiliate

An affiliation agreement between the College of Medicine and the Conemaugh Valley Memorial Hospital in Johnstown has been approved by the Board. The two institutions will jointly plan and conduct educational programs for medical students, resident physicians and hospital staff. Medical students will be able to choose the hospital for elective clinical clerkships.

Other hospitals with major affiliations with the College of Medicine are: Altoona Hospital, Clearfield Hospital, Elizabethtown Hospital for Children and Youth, Geisinger Medical Center (Danville), Good Samaritan Hospital (Lebanon), Harrisburg Hospital, Polyclinic Medical Center of Harrisburg, Lancaster Cleft Palate Clinic, St. Joseph Hospital (Lancaster), St. Joseph's Hospital (Reading) and Waynesboro Hospital.

Performing arts scholarships funded

To provide scholarships for outstanding undergraduate, full-time students with specific talent in the performing arts (choir or orchestra), The Pennsylvania State University Performing Arts Scholarship Fund has been established at the University.

The initial principal of the fund, $10,000, has been contributed by gifts of alumni and friends to the Penn State Scholarship Fund. Additional contributions to the principal are expected from alumni, industries, businesses, friends, student organizations, or other interested individuals or groups.

Recipients of the scholarships will be selected at audition by an appropriate committee established by the dean of the College of Arts and Architecture, with the scholarships approved by the director of student aid. Income from the earnings of the principal will determine the amount and number of scholarships to be awarded each year.

In making the awards, consideration will be given to all full-time undergraduate students currently enrolled or planning to enroll in the University who have demonstrated superior performance or ability in choral or orchestral performing arts or who manifest promise of making an outstanding contribution therein.

Degree title changed

The title of the Master of Education Degree program in Elementary Education offered at Capitol Campus has been changed. The program is now the Master of Education Degree program in Teaching and Curriculum.

Dr. Stanley N. Miller, head of Education Programs at Capitol, explained that the change was made to respond to increasing demand for a program which meets the needs of public school teachers from kindergarten through twelfth grade, rather than teachers of elementary grades only. The change in demand, he said, reflects a shift in the public school population where numbers of pupils in the elementary grades have decreased while those in secondary schools remain high.

The new program will still require 36 credits but will make available new areas of concentration such as curriculum, urban education and reading for kindergarten through twelfth, as well as specialization in secondary education, mathematics and social studies.

York building named

The Trustees have approved the naming of a new building at York as the Student Community Center. Construction of the building, which is to be completed Oct. 1, was made possible through a successful community fund-raising campaign under leadership of the York Campus Advisory Board. The building has approximately 14,000 square feet and will contain activity and food service areas, a multi-purpose and community room, student organization offices, and offices for admissions and student affairs staff.

Land transactions authorized

In accordance with the master plan for development of the Stone Valley area, the Trustees have authorized the purchase of a 2.23-acre tract in Barree Twp., Huntingdon Co., from Wayne E. and Wanda F. Manbeck.

They also approved the sale of approximately 35 acres of land in Shamokin Twp., Northumberland County, at public auction with the stipulation that the University retain the right to reject any and all bids

Gas lab gets go-ahead

Final plans for the construction of an addition to the High Pressure Gas Laboratory at the University Park Campus were approved, along with authorization to ask bids and award contracts

The laboratory, located in the warehouse area away from more heavily populated areas of the campus, is specially designed for safe handling of potentially hazardous materials. It currently is used primarily by the College of Science.

It was explained that faculty in the College of Earth and Mineral Sciences and the College of Engineering now are engaging in sophisticated experiments involving rocket solid propellants, high temperature reactions using hydrogen gas, and basic studies involving "exotic" fuels and oxidants. A facility is needed that will insure safety factors and provide for more efficient experimental procedures.

The one-story addition is to be built of pre-engineered steel, similar to that in the building now in use. An allocation not to exceed $125,000 from funds available in the Risk Insurance Reserve has been authorized for the project.

The Trustees also authorized construction of three silos at the Haller Farm, north of the University Park airport, considered essential for the beef cattle nutrition research program of the University. The cost, not to exceed $10,000 for each silo, would be paid from contract research funds and gifts available to the Department of Dairy and Animal Science, College of Agriculture.

Funding Sources

For further information, call 865-1372

(276-1) National Research Service Awards are available for **Individual Postdoctoral Fellowships** in the NIH, National Heart, Lung, and Blood Institute. Fellowships support multidisciplinary training for basic and clinical research in pulmonary disease. Deadlines are Oct. 1, Feb. 1, and June 1. (Ref. NIH Guide Supplement 6/22/77)

(277-1) The HEW Office of Education has published regulations for its **Women's Educational Equity Act Program.** General grant awards, small grants, and contract activities are documented. (Ref. 42FR33005-16, 6/28/77) (CFDA 13.565)

Fellowships, Graduate School Financial Awards and Deadlines — for further information, inquire at 317 Kern (865-25141).

(277-2) Winter Term Tuition Grants-in-Aid — Sept. 30.

(277-3) Spring Term Tuition Grants-in-Aid — Jan. 4

(277-4) Graduate School Fellowships and Traineeships for PSU graduate students — Feb 3

(277-5) Graduate School Fellowships and Traineeships for incoming graduate students — Feb 16

(277-6) Summer and Fall Term Grants-in-Aid — April 7.

July 28, 1977 Volume 6, Number 24

Penn State Intercom

News in Brief

Retirement policy upheld

The Federal District Court has upheld the validity of the University's mandatory retirement policy.

The case was a civil action brought against the University by Ambrose Klain, who had been associate professor of regional planning at the Capitol Campus, Middletown.

Prof. Klain was retired in accordance with the University's policy.

The University policy, adopted in 1935 and several times amended, states that "the July 1 coincident with or next following the 65th birthday shall be the mandatory retirement date for the faculty and staff of the University. However, under unusual circumstances an administrative officer may request the continuance of an employee past age 65 on a year-to-year basis."

Such a request is submitted through channels to the President of the University who considers the request from year to year until the employee reaches his 70th birthday, at which time he becomes ineligible for re-employment.

The decision by Judge R. Dixon Herman, of the United States District Court for the Middle District of Pennsylvania, completes action at the tnal court level, but the plaintiff has the right to appeal to the United States Court of Appeals for the Third Circuit.

Renaissance music to be performed

Calliope: A Renaissance Band will present a public concert at 8 p.m. on Thursday, Aug. 4, in the Music Bldg. recital hall. Tickets for the concert went on sale today (July 28) in the lobby of the Keller Conference Center. The concert will be presented in conjunction with the Institute for Renaissance Instrumental Music, which begins July 31. The institute provides intensive instruction on Renaissance wind, string and percussion instruments.

Mediator requests Aug. 11 meeting

Mediator William J. Smith has requested a meeting between University officials and representatives of Teamsters Union Local No. 8 after receiving the results of the June 30 vote on the University's final contract offer

The meeting has been scheduled for Thursday, Aug. 11.

Local No. 8 members voted 654 to 219 to reject the University's offer, which included a 5 percent wage hike and an increase in surgical and maternity benefits. The Union is asking for an 8 percent wage hike.

"Big Band" music tonight

The Graduate Student Association will present another free outdoor concert in its Summer Concert Series featuring the State College Dance Band. The concert will begin at 7 p.m. tonight (July 28), in Fisher Plaza. The program will consist of Big Band music of the Swing Era. Half of the 18 band members are Penn State faculty and staff, and the remainder are Centre County residents.

Live entertainment at HUB

For the rest of the summer, the HUB Terrace Room is providing live entertainment with dinner on Wednesday and Friday evenings. The Phi Mu Alpha Dixieland Band appears on Wednesdays and Bill Varnell and his accordion on Fndays.

Although the Terrace Room has been closed Saturdays during summer term, it will open Saturday, Aug. 6, to accommodate a large conference group visiting campus that weekend. Breakfast will be served, in addition to the regularly scheduled lunch and dinner menu, on Sunday, Aug. 7. Hours are 7 to 9:30 a.m. for breakfast, 11:30 a.m. to 1:30 p.m. (1:15 p.m. on Sunday) for lunch, and 4:45 to 6:45 p.m. for dinner. The Lion's Den will maintain its regular Saturday schedule, remaining open from 7 a.m. to 1:30 p.m. It is closed on Sundays.

Eight banks will join plan for direct paycheck deposit

Eight new banks have been added to the ranks of those which currently allow Penn State faculty and staff to have their paychecks deposited directly into their checking accounts.

The service was previously limited to depositors in six Centre County banks and one at Hershey.

Centre County residents will have a choice of three new banks — Community Bank of Port Matilda, Community National Bank of Philipsburg, and First National Bank of Centre Hall.

Behrend College employees may request the service if they have accounts at either Marine National Bank or First National Bank of Pennsylvania, both in Ene.

Faculty and staff at Capitol Campus, The Milton S. Hershey Medical Center, and Berks and York Campuses may have their checks sent to Commonwealth National Bank or National Central Bank, both in Harrisburg, or to Valley Trust Company of Palmyra

Last April, the University included questionnaires in employees' paychecks to determine whether or not there was widespread interest in a direct deposit plan.

The results were not conclusive, according to Richard H. Baker, assistant treasurer and director of financial management at the University. However, there was sufficient interest to merit some expansion of the program. Previously, 75 employees were required before a bank could participate in the service. That number has now been reduced to 25.

Authorization cards will be available to employees when they pick up their Aug. 1 paychecks, and for those who sign and return them, the new service will become available on Oct. 1.

Mr. Baker noted that the survey showed some confusion in people's minds about the availability of the program.

Any bank offering a direct deposit plan offers it at each of its branches, he explains. It doesn't matter whether the depositor banks at the main office or a branch in another town.

Banks already offering the plan include: Union National Bank of Huntingdon, Central Counties Bank, Peoples National Bank of Central Pennsylvania, Midstate Bank, the Farmers National Bank and Trust Company of Millheim, and Hershey National Bank.

RJE, APL service requests due

The University Advisory Committee on Instructional Uses of Computers exists to advise the Computation Center on general issues relating to instructional uses of computer services and to guide rationing of access to those services which are in inadequate supply to serve students in all courses where they might be effectively used.

Faculty at University Park who wish students in their courses to have access to the conversational RJE or APL services for fall term 1977 are asked to direct their requests in writing to the Committee Chairman, E. R. Melander, Room 117 Old Main. Requests should indicate the course number, expected enrollment, and a brief rationale for student use of the requested conversational system.

Access for instructional use of these services by students is allocated on the basis of first-come-first-served, as long as the uses are appropriate and capacity is available.

The committee includes Professors Frank Sim (Liberal Arts), James Wambold (Engineering), and Edward Robertson (Science), as well as Donald Laird and Burton Squires, serving as resource persons from the Computation Center. The committee was appointed by Vice President Robert E. Dunham.



Faculty, staff and student volunteers bussed to Johnstown last Saturday to help in the clean up.

PENN STATE COLLECTION

Penn Staters

Philip Klass, professor of English, was a writer-in-residence at the University of Wisconsin-Stevens Point from June 20-27. During his residency, he presented a series of lectures on all aspects of writing.

Hugh Chapman Jr., professor of romance languages, and **Richard L. Frautschi,** professor and head of the Department of French, presented papers at the meeting of the Association of Teachers of French held in Paris June 27-July 1. The title of Prof. Chapman's paper was "Molière habillé à l'anglaise." Prof. Frautschi spoke on "Projets d'analyse textuelle: un essai attribué à Montesquieu; l'énonciation dans *Gil Blas;* préferences phonologiques de la rime."

Dr. Geoffrey L. Wilson, associate professor of engineering research at the Applied Research Laboratory, read a paper on "The Use of Computers in Sonar Array Design," coauthored with **Dr. James P. Ignizio,** associate professor of industrial engineering, at the Ninth International Congress on Acoustics in Madrid.

Dr. Stephen G. Simpson, associate professor of mathematics, gave invited talks in West Germany and Norway recently. He spoke at a symposium on choice schemata in second order arithmetic in Oberwolfach, West Germany, in April. In June, he gave three lectures at the Second Symposium on Generalized Recursion Theory in Oslo, Norway.

Dr. J. Cordell Hatch, coordinator of radio-TV-audio visual services and professor of agricultural communications, has assumed the presidency of the American Association of Agricultural College Editors. The 600-member AAACE includes communications specialists in colleges of agriculture, the U.S. Department of Agriculture, private industry, and federal and provincial Canadian departments of agriculture.

Arthur Ciervo, director of Public Information and Relations, has been elected to the board of trustees of the Council for Advancement and Support of Education, an international organization consisting of development, public relations and alumni relations employees at colleges and universities. As a trustee, he will chair the Committee on Institutional Relations/Public Information.

Dr. William R. Schmalstieg, professor and head of the Department of Slavic Languages, was an invited lecturer at an international symposium of Slavists in Ljubljana, Yugoslavia, recently. Participants at the symposium, which was organized to celebrate the 100th anniversary of the birth of the Slovene linguist Rajko Nahtigal, included leading Slavic studies specialists from Eastern and Western Europe. Dr. Schmalstieg's contribution was a linguistic analysis of Nahtigal's edition of the early Russian epic, *The Tale of Igor.*

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Dr. George R. Neumann has been promoted to associate professor of economics in the College of the Liberal Arts, effective July 1.

Appointments

John E. Harkness as assistant professor of veterinary science. B.S., Rollins College; D.V.M., Michigan State U.; M.S., M.Ed., U. of Missouri; N.A., Eberhard-Karls U. N.I.H. post doctoral training grant. Previously assistant professor, U. of Missouri.

Barry S. Kassar as assistant professor of surgery at Hershey. M.B.Ch.B., U. of Cape Town, South Africa. Intern, resident in medicine, Tel Aviv Medical School and Telhashomer Hospital, Israel; opthalmology resident, U. of Cape Town. Previously consultant, Grotte Schurr Hospital and U. of Cape Town; senior consultant, Woodstock Hospital, Cape Town; private ophthalmic surgeon practice, Cape Town.

Robert F. Latshaw as assistant professor of radiology at Hershey. B.S., Penn State; M.D., Hershey. Pediatric resident, chief resident in radiology, Hershey.

Kap Jai Lee as assistant professor of medicine at Hershey. D.V.M., Seoul National U., Korea; M.S., Penn State. Previously, research associate, Ontario Cancer Research Institute; instructor, Department of Comparative Medicine, Hershey.

Larry J. Kuhns as extension specialist in ornamental horticulture. B.S., Penn State; M.S., Ph.D., Ohio State U. Previously, research associate, Ohio Agricultural Research and Development Center.

Dan E. Moore as assistant professor of rural sociology. B.S., Ohio State U.; M.S., Ph.D., U. of Wisconsin-Madison. Formerly assistant professor, Cornell U.

Ask the Editor

Questions for Ask the Editor should be sent to Room 312 Old Main, University Park, 865-7517. Letters should be signed although names will be withheld on request.

Q. Do Penn State's Affirmative Action requirements interfere with finding the best qualified persons to fill job vacancies at the University?

A. Affirmative Action guidelines at Penn State do not limit the prospects for finding the "best qualified" candidates for employment vacancies. On the contrary, the concept of affirmative action increases the prospects for finding the "best qualified" by assuring uniform, job-related criteria for selection, equally applied to all candidates. Further, the expansion of the recruitment base, and the inclusion of persons in the selection process who have previously been excluded or who chose not to apply, improves our chances for selection of employees who will meet the broad needs of the University. Where the affirmative action principles are followed in good faith, with reasonableness, the result is an equal opportunity to select the best qualified candidate available.

NOTE: A copy of Penn State's Affirmative Action Compliance Plan is available in the Pattee Library, Reference Department. Designated administrative units on all campuses have copies of the "Guide to Equal Opportunity and Affirmative Action," which contain the narrative section of the plan.

William W. Asbury,
Affirmative Action Officer,
Assistant to the Provost

Calendar

July 28 — Aug. 7

Special Events

Thursday, July 28

Intergenerational Summer Community Lecture. Dennis R. Hameister, Gerontology Center, PSU, Elise Post, Office for the Aging, Harrisburg; Harry Riemer, Bureau of Planning, Harrisburg; Joe Bard, Office of Lifelong Learning, Harrisburg; on "Lifelong Learning of Older Adults in Pennsylvania: A Perspective from State Government," 7:30 p.m., Room 101 Kern.

Festival Theatre, *The Last Meeting of the Knights of the White Magnolia,* 8 p.m., Pavilion Theatre.

Office of Student Activities free film, *Lost Horizon,* 9 p.m., HUB lawn.

Friday, July 29

france-cinema, Robert Bresson, *Diary of a Country Priest,* French with English subtitles, 7 and 9 p.m., Room 112 Kern.

Festival Theatre, *The Last Meeting of the Knights of the White Magnolia,* 8 p.m., Pavilion Theatre.

Festival Theatre, *Gershwin Revisited,* a musical revue of the favorite works of George Gershwin, 8 p.m., Playhouse Theatre.

Saturday, July 30

Penn State Wargaming Club meeting, noon, Room 101 EE East.

"A Conversation with Preston Jones," 3 p.m., Playhouse Theatre. Free admission.

Festival Theatre, *The Last Meeting of the Knights of the White Magnolia,* 8 p.m., Pavilion Theatre.

Festival Theatre, *Gershwin Retisited,* 8 p.m., Playhouse Theatre.

Sunday, July 31

Penn State Wargaming Club meeting, noon, Room 101 EE East.

Festival Theatre. *The Last Meeting of the Knights of the White Magnolia,* 7:30 p.m., Pavilion Theatre. Preston Jones will answer questions following this performance.

Festival Theatre, *Gershwin Revisited,* 7:30 p.m., Playhouse Theatre.

Tuesday, August 2

College of Education faculty luncheon, 12:30 p.m., Room 101 Kern.

Festival Theatre, *The Last Meeting of the Knights of the White Magnolia,* 8 p.m., Pavilion Theatre

Festival Theatre, *Gershwin Revisited,* 8 p.m., Playhouse Theatre.

Wednesday, August 3

Last drop deadline (10-week summer term).

Commonsplace videotape, "Stages of Preston Jones," noon, Kem lobby.

Festival Theatre, *The Last Meeting of the Knights of the White Magnolia,* 8 p.m., Pavilion Theatre.

Festival Theatre, *Gershwin Revisited,* 8 p.m., Playhouse Theatre.

Thursday, August 4

College of Education PDK Summer Lecture. Rudolph Fimbres, Latin American specialist, U.S. Department of State, on "Human Rights, Educational Programs, and Foreign Policy," 3:55 p.m., Room 112 Kern.

Festival Theatre, *The Last Meeting of the Knights of the White Magnolia,* 8 p.m., Pavilion Theatre.

Festival Theatre, *The Last Meeting of the Knights of the White Magnolia,* 8 p.m., Pavilion Theatre.

Festival Theatre, *Gershwin Revisited,* 8 p.m., Playhouse Theatre.

Office of Student Affairs free film, *Shenandoah,* 9 p.m., HUB lawn.

Friday, August 5

france-cinema, Agnes Varda, *Cleo from 5 to 7,* French with English subtitles, 7 and 9 p.m., Room 112 Kern.

College of Agriculture 24th annual square dance workshop and festival, 8 p.m., HUB ballroom and main gym, White.

Festival Theatre, *The Last Meeting of the Knights of the White Magnolia,* 8 p.m., Pavilion Theatre.

Festival Theatre, *Gershwin Revisited,* 8 p.m., Playhouse Theatre.

Saturday, August 6

College of Agriculture 24th annual square dance workshop and festival, 10 a.m.-5:30 p.m., and 7:30 p.m., HUB ballroom and main gym, White.

Penn State Wargaming Club meeting, noon, Room 101 EE East.

Festival Theatre, *The Last Meeting of the Knights of the White Magnolia,* 2:30 and 8 p.m., Pavilion Theatre.

Festival Theatre, *Gershwin Revisited,* 2:30 and 8 p.m., Playhouse Theatre.

Sunday, August 7

Penn State Wargaming Club meeting, noon, Room 101 EE East.

Opening reception for M.F.A. exhibit by Pamela Grove, 3-5 p.m., Zoller Gallery.

Funding Sources

For further information, call 865-1372

(279-1) Below is a summary of October deadline programs. Specific dates and program contacts are available.

(1) Arts/Humanities/International — ACLS Travel Grants, GSA Historical Records, Guggenheim; IREX Collaborative Projects; NEA Work Internships, Visual Arts: Fellowships, Expansion Arts, Media Arts, Architecture and Environmental Arts, Woodrow Wilson Fellowships; Library Intern Program.

(2) Education/Human Development — AOA Model and R & D Grants, OE Teacher Corps and Handicapped M & T; LEAA Graduate Research Fellowships; CSA Food and Nutrition.

(3) Science/Energy — NSF LOCI, Handicapped, Biophysics; Genetic, Developmental, and Human Cell Biology; Economics, Geography; Law, Sociology, Oceanography; Marine Chemistry; U.S.-Japan Coop.; SST; URP.

(4) Health-Mental Health — ADAMHA Research Service Awards; HRA Service Awards and Nurse Fellowships, NIAAA Training Grants and Awards; NIMH Research Service Awards and Training Grants (Crime, Metro., Rape), NIH Career, Biomedical, Cancer, Eye Institute, Heart-Lung-Blood, Aging, Digestive, Research Career, Diabetes, Nevrological; and Pharmaceutical Fellowships and Faculty Programs. (Ref. OFP October Deadline Dates)

Fellowships (77-13)
For further information inquire at 317 Kern, 865-2514

(279-2) Rockefeller Foundation — post doc environmental affairs — Sept. 1.

(279-3) NIH — heart, 7 vascular post docs — Oct. 1, Feb. 1, June 1.

(279-4) NSF — Internships, scientists and science students.

WPSX Highlights

Documentary Showcase, Friday, July 29, at 10 p.m., presents an hour-long report on life in New York City's Chinatown as told by residents of the community. The program reveals that hard work and poverty are a part of the Chinese community which tourists rarely see.

Lowell Thomas recalls the early years of aviation, from 1929 to 1939, in a ten-part series on **Lowell Thomas Remembers,** beginning Saturday, July 30, at 8 p.m. Highlights of the first program include a French version of Charles Lindbergh's trans-Atlantic flight, the first attempts at mid-air refueling, and test flights of the Curtiss Condor and R-100.

August Mondays, a new month-long series of documentary and performance specials, begins Aug. 1. The achievements of three famous Europeans are recalled in the first group of programs, Monday, Aug. 1, at 8 p.m., beginning with "The Red Baron," Manfred Von Richthofen, the World War I flying ace. Immediately following at 9 p.m., **August Mondays** presents "The Life of Adolf Hitler," tracing the German leader's career. Architect-engineer Alexandre Gustave Eiffel, whose career has become obscured by the tower for which he is famous, is the subject of "The Unknown Eiffel" at 10:30 p.m.

Penn State anthropologist Napoleon Chagnon is among the experts whose studies are described on **Nova,** Wednesday, Aug. 3, at 8 p.m. The science documentary, subtitled "The Human Animal," investigates the controversial new field of sociobiology.

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END OF VOL. 6

Penn State Intercom

News in Brief

Director sought for Human Resources Institute

Dr. Teh-wei Hu, chairman of the search committee for the Institute for Research on Human Resources, announces that his committee is seeking nominations and applications for the position of Director of the Institute for Research on Human Resources.

The primary responsibility of the position is to provide research leadership and coordination of interested faculty. Nominees or applicants for this position should demonstrate significant research productivity, particularly in the social or behavioral sciences. Qualifications should include the ability to obtain research funds and a commitment to strengthening the interdisciplinary nature of the Institute.

Nominations or applications should be sent to Prof. Teh-wei Hu, Chairman, Search Committee, Dept I, Room 521 Kern Graduate Bldg., The Pennsylvania State University, University Park, PA 16802, by Sept. 12, 1977.

Library space available

Members of the faculty who wish to obtain study space assignments in Pattee Library for the fall term should note that the assignments will be made on a first-come, first-served basis beginning at 7:45 a. m. on Monday, Aug. 29, in Room 106 Central Pattee. There are only 36 such spaces. Further questions should be directed to Cordelia Swinton at 865-5429.

Football Press Guide on sale

A limited number of copies of Penn State's 1977 Football Press Guide are available to the public. The 144-page book, prepared by the Sports Information Office to assist the media in covering the 1977 Nittany Lions, includes biographical sketches of players and coaches, complete results and records, a rundown on each 1977 opponent, a review of the 1976 season, future schedules, an all-time list of lettermen and numerous other features.

Copies of the book may be ordered at a cost of $2.50 each by mailing check or money order to the Penn State Athletic Department, Room 237 Recreation Bldg., University Park, Pa. 16802. Checks should be made payable to "The Pennsylvania State University."

The 1976 Penn State Football Press Guide was selected as "best in the nation" by the College Sports Information Directors of America (CoSIDA).

Fall calendar data due

INTERCOM will publish a fall term calendar early next month. Persons wishing to list events should send their items to the Calendar Editor, Room 312 Old Main, 865-2501, by Friday, Aug. 19.

Johnstown students may delay fall payments

Penn State students from the flood-stricken Johnstown area will be allowed to defer payment of their fall term room, board, and tuition charges, which are due on Aug. 12.

In severe cases of financial loss from the flood, they will be eligible for a special loan and grant fund, which has been established from funds already within the student aid area but which had been designated for other student aid purposes.

The emergency assistance plan will be available to flooded-area students enrolled at any of the Campuses of the University.

In announcing the deferment plan and available aid funds, President Oswald said:

"Penn State has tried to be as responsive as possible to this disastrous situation in the Johnstown area, both by coordinating and providing volunteer work crews of students, faculty, and staff on four occasions and now, in this instance, by providing more direct financial relief for the affected students whose homes are in that area."



As INTERCOM went to press this week, the budget situation in Harrisburg – including Penn State's appropriation – was still up in the air. President Oswald on Thursday, Aug. 4, went to Harrisburg to obtain more information about the budget and to seek assurance from Governor Shapp and legislative leaders that they would give high priority to supporting appropriations for Penn State and the other universities. Dr. Oswald was joined by University of Pittsburgh Chancellor Wesley Posvar, at left in photo above.

Behrend number changed

Effective Aug. 5, the new State network number for The Behrend College is 664-4391.

Bowling team needed

A bowling team is needed for the University Men's League. The league bowls in the University Lanes Wednesday evenings at 6:30 p. m. Any team interested in joining the league should contact Ralph Hosterman at 237-7980.

Extension staff active in Johnstown aid

Penn State's County Extension staff members have taken an active role in helping flood-stricken victims of Johnstown and surrounding communities.

Immediately after receiving news of the flood, they contacted local radio stations with prepared spots including information on water purification, methods of disinfecting wells, and ways to prevent food spoilage.

Using a University-supplied van, home economists and agricultural agents, assisted by volunteers and summer employees, began distributing the University's "Disaster Handbook," a compilation of materials dealing with cleaning methods, disinfectants, mildew and the salvaging of various kinds of furniture. These materials were also put into the special disaster relief and Red Cross centers. Cleaning supplies were carried along in the van and handed out to persons needing them.

Those involved in the effort included: Herbert C. Terndrup, Cambria County Extension Director; Eunice Tibbott, Senior Extension Agent in Cambria County; and George Orner, Ronald Hostetler, Kathryn Hostetler, James Heltzel, and Robert Hetrick. Nutrition aides who pitched in were Loretta Safko, Jean Berkey, Mary Hicks, Christine Shrift and Dorothy Murray.

Traffic, parking changes Aug. 29

A number of parking and traffic changes will be instituted at University Park on New Student Day, Monday, Aug. 29. Some 7,000 new students, including freshmen, Commonwealth Campus students and advanced standing students, are expected on campus.

University Police Services have announced the following traffic changes for Monday, Aug. 29:

— Garner Street-Shortlidge Road will be one-way north from Beaver Avenue to Pollock Road.

— Pollock Road between Shortlidge and Bigler will be one-way eastbound.

— Mifflin Road between McKean and Pollock will be one-way northbound.

— Curtin Road between Allen and Recreation Bldg. will be one-way eastbound.

— Burrowes Road between Pollock and Curtin will be one-way northbound.

— No left turn from Calder Way onto Garner and no left turn from College onto Garner.

University faculty and staff members again are urged to seek alternate means of transportation. Police Services suggests walking or car pools and advises those who do drive not to move their cars during the day.

Faculty and staff members assigned to parking areas Blue G and Blue F in the area of Pollock and Centre Halls complexes are asked to park in alternate areas. Staff members who park in areas Green E or Red E in the area of West Halls are asked to park in alternate areas such as Red A or Green B.

In seeking the cooperation of faculty and staff in reducing confusion and congestion on Aug. 29, Police Services notes that there will be several thousands of drivers who will be on campus for the first time.

It is also recommended that faculty and staff members avoid Curtin Road between University Drive and Bigler Road during fall term registration. Registration will be held Aug. 31 and Sept. 1 and 2 at the Intramural Bldg., causing some congestion in the area of Shields and Wagner Bldgs.

Police Services will assign student assistants to the entrance of Orange E and Orange D parking areas, and only vehicles bearing staff permits will be allowed in those parking areas. Persons attempting to go to Shields Bldg. should be advised that some congestion will exist during the registration period.



An exhibition of the work of Danish architect and designer Arne Jacobsen opens Sunday, Aug. 14, at the Museum of Art and continues through Oct. 30. Included are prototypes of many of his furniture and fabric designs, as well as the tea set above.

PENN STATE COLLECTION

Penn Staters



Robert A. Olsen, associate professor of industrial engineering, retired July 1 after 22 years on the faculty. Prof. Olsen held technical engineering and management oriented positions with various companies before joining the faculty in 1955 as an instructor.

A member of the Penn State Educational Association and the Pennsylvania State University Professional Association, Prof. Olsen was actively engaged in the attempt to bring collective bargaining to the University faculty. He is a founder and a member of the Board of Directors of Strawberry Fields, one of the most successful homes for moderately retarded children in the State, and is also on the board of directors of Nittany Residences, which is attempting to initiate the building of a home for the elderly in State College.

The author of "Manufacturing Management — a Quantitative Approach," Prof. Olsen taught Scientific Management, an elective course for engineers and non-engineers. He is a graduate of the Massachusetts Institute of Technology with a B.S. in business and engineering administration and holds a M.S. in industrial engineering from Penn State.

Dr. James S. Ultman, associate professor of chemical engineering, has been awarded a Fulbright Lectureship. Beginning Sept. 1, he will be a visiting professor in the Wolfson Department of Chemical Engineering at the Technion-Israel Institute of Technology. During his leave, Dr. Ultman will assist the Wolfson Department in developing its research and academic programs in biochemical engineering.

Dr. Ralph W. Condee, professor of English literature and humanities, has been designated a Senior Research Fellow in the Department of English Literature for 1977-78 by the University Court of Glasgow University.

Dr. Raymond W. Eyerly, assistant professor of business logistics and assistant to the director of the Institute for Research on Land and Water Resources, **Dr. Richard D. Twark,** associate professor of quantitative business analysis, and **Richard B. Nassi,** research assistant in business logistics, were co-authors of the paper, "A Predictive Model of Highway Interchange Land Use Development: A Decision Tool for Planning," presented by Dr. Eyerly at the World Conference on Transport Research, Rotterdam, the Netherlands, April 26-28. The conference was hosted by The Netherlands Institute of Transport and was attended by 450 persons from 50 countries.

Obituaries

Dr. Edward Steidle, dean of the College of Earth and Mineral Sciences for 25 years and then, for 14 years, chairman of the Federal Coal Mine Safety Board of Review, died Saturday at Devon, Pa., at the age of 90.

A native of Williamsport, Dean Steidle in 1911 received his B.S. in mining at Penn State, and in 1914 the technical degree of Engineer of Mines. In 1943, he was awarded a doctor of science degree from Alfred University.

From 1912 until 1917, Dean Steidle held various mining engineering positions with industries in the United States and Canada and with the U.S. Bureau of Mines. During World War I, he served as a captain with the U.S. Army in France.

Returning to this country in 1919, Dean Steidle was appointed to the faculty of Carnegie Institute of Technology, now Carnegie-Mellon. In 1928, he was appointed dean of the School of Mining and Metallurgy at Penn State and in 1930 reorganized it into the School of Mineral Industries.

During Dr. Steidle's 25 years as dean, undergraduate enrollment grew from 144 to 590 and graduate enrollment from 0 to 170, including graduate students from all parts of the world. The staff expanded from 15 to more than 200 and a broad and extensive research program was developed.

Dean Steidle was the author of more than 100 technical papers and of the books, *Mineral Industries Education*, published in 1950, and *Mineral Forecast, 2000 A.D.*, published in 1952.

Dr. William M. Lepley, who retired in 1966 as professor emeritus of psychology, died July 25. He was 71.

Dr. Lepley joined the faculty in 1930 and for many years was director of the psychology laboratories at the University. He initiated a series of special research programs to help psychology teachers at liberal arts colleges keep abreast in the field of experimental psychology.

A 1928 graduate of Iowa State University, Dr. Lepley received his M.A. from the University of California in 1930 and his Ph.D. from Penn State in 1934.

Calendar

Aug. 11—21

Thursday, Aug. 11
Office of Student Activities free film, *The Invasion of the Body Snatchers*, 9 p.m., HUB lawn.

Saturday, Aug. 13
Last date for submitting a petition to the Records Officer to graduate in absentia in August.
Penn State Wargaming Club meeting, noon, Room 101 EE East.

Sunday, Aug. 14
Penn State Wargaming Club meeting, noon, Room 101 EE East.

Monday, Aug. 15
Sudanese Student Association film, noon, Room 101 Kern.
Color Slide Club meeting, competition topic, "Things in Motion," judge, Dan Brody, State College professional photographer, 7:30 p.m., Room 112 Kern.

Tuesday, Aug. 16
College of Education faculty luncheon, 12:30 p.m., Room 101 Kern.
University Faculty Senate Council meeting, 2:10 p.m., Room 101 Kern.

Wednesday, Aug. 17
Make-up day for classes missed July 4
Summer term classes end, 9:55 p.m.
Continuing Education final examinations.
Office of Student Activities free film, *The Endless Summer*, 9 p.m., HUB lawn.

Thursday, Aug. 18
Final examinations.
College of Education Faculty Council meeting, 2:20 p.m., Room 101 Kern.

Friday, Aug. 19
Final examinations.

Saturday, Aug. 20
Final examinations.

Staff Vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (network line 475-1387). Applications for these staff vacancies will be received until 5 p.m., **Aug. 18. DO NOT CONTACT THE AREA THAT HAS THE VACANCY.**
As provided by the procedures for control of new hiring and promotion, staff vacancies will be announced only when granted an exception by the cognizant senior University officer.

ADMINISTRATIVE AIDE — Hershey Act as liaison between Department of Anatomy and other areas to coordinate schedules and contracts relative to budgetary management. Responsible for assigning work to and supervising all clerical employees within the department. Associate degree or equivalent, plus three to four years of directly related administrative experience.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS — Behrend Responsible to the Dean of Student Affairs for carrying out the mission of the Office of Student Affairs by providing administrative, educational, cultural and personnel services for the total residence hall program. Master's degree, or equivalent, in student personnel administration or relevant field of study, plus one to two years of directly related experience.

RESIDENCE AREA COORDINATOR — Behrend Responsible for assisting in carrying out the missions of the Office of Student Affairs by providing administrative, educational, cultural, and personnel services for the total residence hall program. Master's degree, or equivalent, in college student personnel or equivalent with one to two years of directly related experience.

COLLEGE HEALTH NURSE — COMMONWEALTH CAMPUSES — Beaver Responsible administratively to the Dean of Student Affairs and professionally to the Director of Nursing Services for providing nursing care to the student body, including the treatment of minor and temporary illnesses and accidents, plus making appointments and referring students and employees to a physician or hospital when necessary. Graduate of an accredited nursing program or its equivalent and current licensure in Pennsylvania as a registered nurse, plus experience or training.

NUTRITIONAL CARE TECHNICIAN — Hershey Responsible to Senior Nutritional Care Technician for appraising, recording and evaluating patient's nutritional status. Associate degree in foods and nutrition or equivalency and six to twelve months' directly related experience.

PERSONNEL OFFICER, HUMAN DEVELOPMENT — University Park Responsible for planning, implementing, and maintaining college personnel program. Provide liaison between college divisions and Office of Personnel Administration in matters such as job classification, clerical and staff hiring, policy interpretation, and employee benefits. Process letters of offer to faculty and staff, initiate personnel action forms, supervise maintenance of personnel statistics. Bachelor's degree or equivalent, plus one to two years of directly related administrative experience in an academic setting.

SYSTEMS ANALYST, CONTINUING EDUCATION — University Park This person will analyze and design programs; code, test, and document programs, conduct systems analyses and feasibility studies. Present results of studies and recommended actions to senior University personnel. Keep abreast of new developments in computer hardware and software. Bachelor's degree or equivalent, preferably in computer science or mathematics with a working knowledge of COBOL, RPG, BASIC and FORTRAN is required. Over two years and up to and including four years of directly related experience in systems development, systems design, computer programming, management information systems and/or automated control systems is required. Experience in accounting, financial management, budgeting or other administrative areas is desirable.

ADVISOR/CONSULTANT — Delaware County Conduct freshman testing, advising and counseling program. Responsible for Division of Undergraduate Studies (DUS) enrollment and advising programs and services. Plan and maintain DUS Academic Information Center and provide professional evaluation and counseling to students for educational or academic type concerns. Master's degree or equivalent, with one to two years of academic advising experience. College teaching experience desired.

Funding Sources

For further information, call 865-1372

(280-1) The NSF Student Science Training (SST) Program (one of six NSF Student-Oriented Programs —SOP) has a Sept. 16 closing date. SST objectives are to provide students with science learning opportunities (extraordinary) and a measure of investigative independence. Both two-year and four-year institutions are eligible. (Ref. SE 78-20)

(281-1) The National Endowment for the Arts (NEA) has issued application guidelines for FY 1978 **Media Arts: Film/Radio/Television.** There are six major grant categories: regional development — media centers, film-video exhibition, workshops; production aid; fellowships — film institute, video artists; AFI, services to the field, general programs; and challenge grants. Deadlines range from August 1977 to January 1978 (Ref. ibid.)

(282-2) Annual competition regulations for the **Harry S. Truman Scholarship Foundation** have been issued. Students applying must be nominated by their home institution of higher education. The closing date for applications will be announced. (Ref. 42FR 38301-5, 7/27/77)

(281-3) The U. S. Department of Transportation Program of University Research has a Dec. 1 closing date. The program is to focus the resources of the higher education community on transportation problems and national transportation policy. Both soft and hard science capabilities are solicited. Research priorities are listed on the FY '78 booklet. (Ref. CRD, 7/28/77, p. 1)

(281-4) The National Endowment for the Arts has issued FY '78 and '79 guidelines for the **Literature Program** consisting of (1) **Assistance to Small Presses** (Dec. 12), (2) **Residencies for Writers** (6 more lead on March 15), and (3) **Assistance to Literary Magazines** (Nov. 15). (Ref. 42FR38403-6, 7/28/77)

(281-5) NEA has also issued FY 1979 guidelines for the **Museum Program** including: (1) Museum purchase plan (Jan. 2, 1978); (2) Special exhibitions (April 3, 1978); (3) Utilization of collections (July 3, 1978); (4) Museum training (Oct. 2, 1978); and (5) Visiting specialists (continuous). (Ref 42FR38406-13, 7/28/77)

(281-6) NEA has also issued FY 1978 guidelines for **Fellowship Grants for Composers and Librettists (Music Program)** with a Nov. 1 deadline for applications. (Ref. 42FR38401-3, 7/28/77)

(281-7) The National Science Foundation has issued a **Final Grant Policy Manual** through the Federal Register. Topics include basic information; proposal submission, evaluation, and awards; grantee standards; payment and financial reporting; allowability of costs; and project and grant management. (Ref 42FR38765-80, 7/29/77)

WPSX Highlights

Jean Renoir's film classic, *Grand Illusion*, produced in 1938, will be presented Saturday, Aug. 13, at 10 p.m. on PBS **Movie Theater.** A World War I prison camp provides the setting for the film, which stars Jean Gabin, Pierre Fresnay, and Erich Von Stoheim.

The era of the airship is relived on **August Mondays,** Aug. 15 at 8 p.m. on "The Great Airship Adventure." The hour-long program documents airship history from its invention in 1900 to the Hindenberg disaster of 1937. Immediately following, at 9 p.m., **August Mondays** considers the impact of another form of transportation on "Henry Ford's America."

Isaac Stern introduces the activities of the Jerusalem Music Center Tuesday, Aug. 16, at 8 p.m. on **Music in Jerusalem.** The center provides instruction for Arab and Israeli students in the form of masters classes conducted by musicians like Pablo Casals, Zubin Mehta, and Gina Bachauer, who appear on the television program.

Instructors in Penn State's Summer Gerontology Series appear on **Talkabout** Wednesday, Aug. 17, at 7:30 p.m. The topic of their discussion is the biological aspects of aging — changes in physiology, speech, hearing, and other normal changes.

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